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U.S. DEPARTMENT OF THE INTERIOR
PROTOTYPE OIL SHALE LEASING PROGRAM

TRACT C-b

QUARTERLY REPORT #2

(Through February 28, 1975)

Submitted to:

Mr. Peter A. Rutledge
Area Oil Shale Supervisor
Conservation District
U. S. Geological Survey
Grand Junction, Colorado

By:

Ashland Oil, Inc.
Atlantic Richfield Company, Operator
Shell Oil Company
The Oil Shale Corporation

APRIL 14, 1975

SHOUT
SHARE **IT**

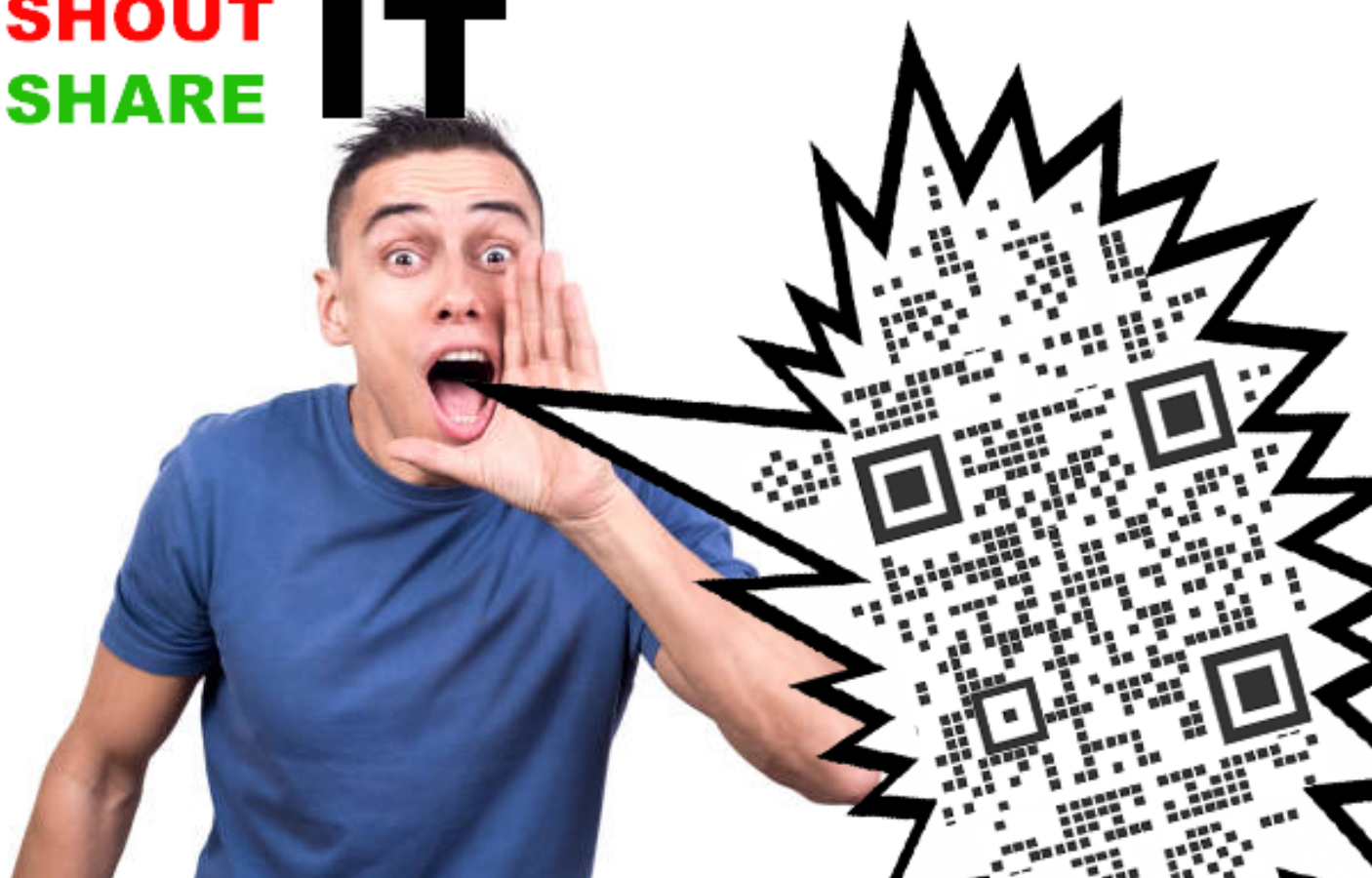


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Drill Stem Tests - SG-17 (Cont'd)

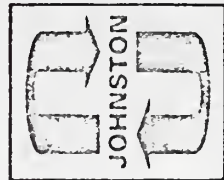
JOHNSTON

Schlumberger

technical
report

II B-484

F.R. #09076 C



PRESSURE LOG

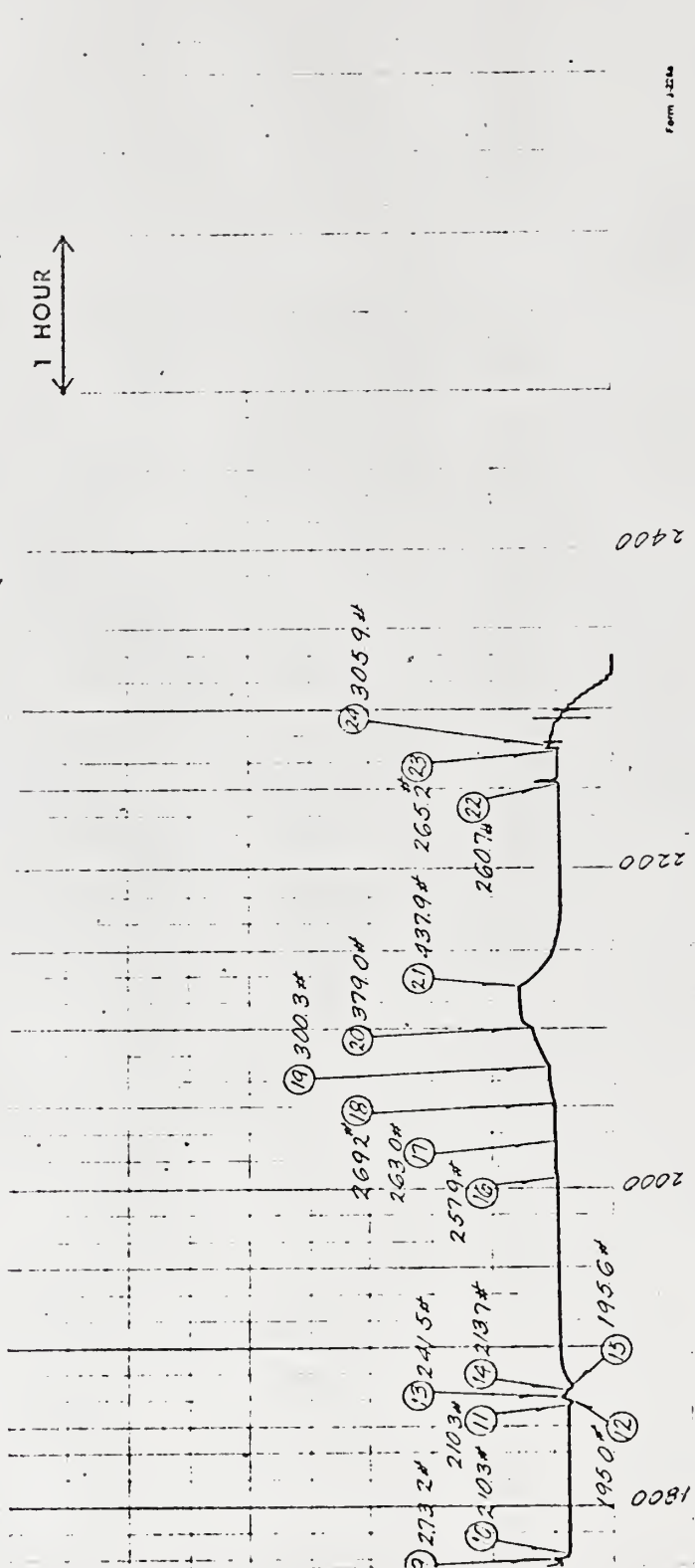
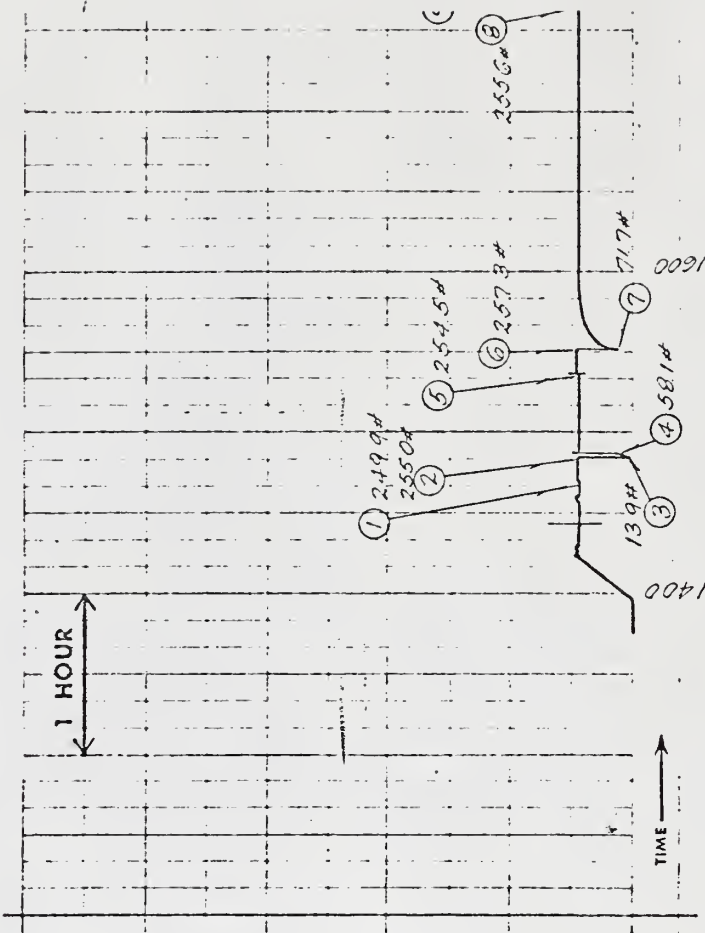
Field Report No. 09076_C

Instrument: Number J-029

Capacity 2800 p.s.i.

Depth 1046 ft.

*a continuous tracing of the original chart



EQUIPMENT & HOLE DATA

EQUIPMENT & HOLE DATA		
Type Test	M. F. E. OPEN HOLE	
Formation Tested	GREEN RIVER	
Elevation	7036	Ft.
Net Productive Interval	50	Ft.
Estimated Parasyty	-	%
All Depths Measured From	GROUND LEVEL	
Total Depth	1116	Ft.
Main Hole/Casing Size	6 3/4"	
Rat Hole/Liner Size	-	
Drill Collar Length	297'	I.D. -
Drill Pipe Length	719'	I.D. -
Packer Depth(s)	1062' & 1066'	
		Ft.

Sampler Pressure _____ P.S.I.G. at Surface
 Recovery: Cu. Ft. Gas _____
 cc. Oil _____
 cc. Water _____
 cc. Mud _____
 Tot. Liquid cc. _____
 Gravity _____ °API @ _____ °F.
 Gas/Oil Ratio _____ cu. ft./bbl.

**CHLORIDE
CONTENT**

Recovery Mud _____ @ _____ °F.
Recovery Mud Filtrate _____ @ _____ °F. _____ ppm

Mud Pit Sample _____ @ _____ °F.
Mud Pit Sample Filtrate _____ @ _____ °F. _____ ppm

Cushion Type	Amount	Pressure	Bottom Choke
	-		Size 3/4"
MUD DATA			
Mud Type	WATER FOAM	Wt.	-
Viscosity	-	Water Loss	- C.C.
Resist. of Mud	- @ - °F	of Filtrate	- @ - °F
Chloride Content	-		PPM

[illegible]

Address 1500 SECURITY LIFE BUILDING, 1600 GLENARM; DENVER, COLORADO 80202

Company ATLANTIC-RICHFIELD COMPANY Field SORGHUM GULCH

Company _____ Field _____
Well FEDERAL S-G #17 Location -

Well _____ Location _____
 Test Interval 1066' to 1116' Test # 8 II B-486 Date 11-20-74

County	RIO BLANCO	State	COLORADO	Field Report No.	09076 C
Technician	TAYLER (VERNAL)	Test Approved By	MR. JERRY L. RUSSELL	No. Reports Requested	15(14x's)



PRESSURE DATA

Instrument No.	AK-1-5010			Field Report No. 09076 C	
Capacity (P.S.I.G.)	1600				
Instrument Depth	1040'				
Instrument Opening	INSIDE				
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.	92				
				TIME DATA	
Initial Hydrostatic Mud	A			Time Given	Time Computed
Initial Shut-in	B				
Initial Flow	C			Mins.	Mins.
				Mins.	Mins.
				Mins.	Mins.
Final Flow	D			Mins.	Mins.
Final Shut-in	E			Mins.	Mins.
Final Hydrostatic Mud	F			Mins.	Mins.
Remarks:					

* Shut in pressure did not reach static reservoir pressure.

Clock Travel _____ inches per min.

PRESSURE INCREMENTS

POINTS								
Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
1	256.7		4	0	65.8	40	260.7	
2	260.7			5	260.7	45	261.1	
3	25.4			10	261.1	50	261.5	
4	65.8			15	261.1	55	261.5	
5	261.1			20	261.1	60	261.5	
6	261.1			25	261.1	65	261.5	
7	79.8		5	30	261.1	70	261.5	
8	262.3					75	261.5	
9	279.5		7	0	79.8	80	261.9	
10	216.3			1	115.5	85	261.9	
11	218.7			2	144.3	90	261.9	
12	201.5			3	168.3	95	262.7	
13	247.9			4	179.9	100	262.3	
14	219.9			5	194.3	105	262.3	
15	201.9			6	206.7	110	262.7	
16	262.7			7	215.9	115	262.7	
17	269.1			8	225.1	120	262.7	
18	277.5			9	233.5	125	262.3	
19	308.4			10	239.1	8	127	262.3
20	387.2			11	244.7	9	129	279.5
21	449.6			12	249.5	10	130	216.3
22	268.7			13	251.9		135	218.7
23	268.7			14	253.9		140	218.7
24	298.7			15	255.9		145	218.7
				16	257.5		150	218.7
				17	258.3		155	218.7
				18	259.1		160	218.7
				19	259.1		165	218.7
				20	259.5		170	218.7
				25	260.3		175	218.7
				30	260.7		180	218.7
				35	260.7			

II B-487

CONTINUED



PRESSURE DATA

Instrument No.	AK-1-5010			Field Report No. 09076 C	
Capacity (P.S.I.G.)					
Instrument Depth					
Instrument Opening					
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.					
				TIME DATA	
Initial Hydrostatic Mud	A			Time Given	Time Computed
Initial Shut-in	B			Mins.	Mins.
Initial Flow	C			Mins.	Mins.
				Mins.	Mins.
				Mins.	Mins.
Final Flow	D			Mins.	Mins.
Final Shut-in	E			Mins.	Mins.
Final Hydrostatic Mud	F				

Remarks:

*Shut in pressure did not reach static reservoir pressure.

Clock Travel _____ inches per min.

PRESSURE INCREMENTS

Point Inches	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
185	218.7		55	262.3		50	360.8	
11 187	218.7		60	262.3		52	370.4	
12 188	201.5		65	262.3		54	378.8	
13 190	247.9		70	262.7		20 56	387.2	
14 193	219.9		75	262.7		58	406.4	
15 195	201.9		16 78	262.7		60	434.8	
1	213.1		2	265.1		62	441.2	
2	226.3		4	267.1		64	443.2	
3	235.9		6	268.3		66	445.6	
4	242.7		8	268.7		68	445.5	
5	246.7		10	268.7		70	448.0	
6	251.1		17 12	269.1		21 72	449.6	
7	253.9		14	270.3		74	410.0	
8	256.3		16	273.1		76	384.0	
9	258.3		18	275.1		78	359.2	
10	259.1		20	275.9		80	334.0	
11	259.9		22	276.3		82	318.4	
12	259.9		24	276.7		84	302.4	
13	260.3		26	277.1		86	291.2	
14	260.7		18 27	277.5		88	283.1	
15	260.7		28	280.3		90	277.5	
16	260.7		30	289.1		92	272.7	
17	260.7		32	294.7		94	270.0	
18	260.7		34	299.5		96	268.7	
19	260.7		36	302.4		98	267.5	
20	260.7		38	304.8		100	267.1	
25	261.1		40	306.4		102	266.7	
30	261.9		19 41	308.4	IIB-488	104	266.7	
35	261.9		42	309.2		106	266.7	
40	262.3		44	323.2		108	266.3	
45	262.3		46	338.0		110	266.3	
50	262.3		48	351.2		CONTINUED		

Remarks:

Clock Travel _____ inches per min.

11 B-489

PRESSURE DATA

Instrument No.	J-029			Field Report No. 09076 C	
Capacity (P.S.I.G.)	2800				
Instrument Depth	1046'				
Instrument Opening	INSIDE				
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.	92				
				TIME DATA	
Initial Hydrostatic Mud	A			Time Given	Time Computed
Initial Shut-in	B			Mins.	Mins.
Initial Flow	C			Mins.	Mins.
				Mins.	Mins.
Final Flow	D			Mins.	Mins.
Final Shut-in	E			Mins.	Mins.
Final Hydrostatic Mud	F			Mins.	Mins.
Remarks:					

* Shut in pressure did not reach static reservoir pressure.

Clock Trawl _____ inches per min.

PRESSURE INCREMENTS

POINTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
1	249.9		4	0	58.1	40	252.2	
2	255.0			5	253.9	45	253.3	
3	13.9			10	253.9	50	253.9	
4	58.1			15	253.9	55	254.5	
5	254.5			20	253.9	60	254.5	
6	257.3			25	253.9	65	255.0	
7	71.7		5	30	254.5	70	255.0	
8	255.6					75	255.0	
9	273.2		7	0	71.7	80	255.0	
10	210.3			1	113.0	85	255.0	
11	210.3			2	140.1	90	255.0	
12	195.0			3	156.6	95	255.0	
13	241.5			4	172.4	100	255.0	
14	213.7			5	185.4	105	255.0	
15	195.6			6	197.3	110	255.0	
16	257.9			7	207.5	115	255.6	
17	263.0			8	218.3	120	255.6	
18	269.2			9	226.2	125	255.6	
19	300.3		10	232.4		8	127	255.6
20	379.0		11	237.5		9	129	273.2
21	437.9		12	241.5		10	130	210.3
22	260.7		13	244.3			135	210.3
23	265.2		14	247.1			140	210.3
24	305.9		15	248.8			145	210.3
			16	249.9			150	210.3
			17	251.1			155	210.3
			18	251.6			160	210.3
			19	252.2	II B-490		165	210.3
			20	252.2			170	210.3
			25	252.2			175	210.3
			30	252.2			180	210.3
			35	252.2				

CONTINUED



PRESSURE DATA

Instrument No.	J-029			Field Report No. 09076 C	
Capacity (P.S.I.G.)					
Instrument Depth					
Instrument Opening					
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.					
				TIME DATA	
Initial Hydrostatic Mud	A			Time Given	Time Computed
Initial Shut-in	B			Mins.	Mins.
Initial Flow	C			Mins.	Mins.
				Mins.	Mins.
				Mins.	Mins.
Final Flow	D			Mins.	Mins.
Final Shut-in	E			Mins.	Mins.
Final Hydrostatic Mud	F				
Remarks:					

* Shut in pressure did not reach static reservoir pressure.

Clock Travel

inches per min.

PRESSURE INCREMENTS

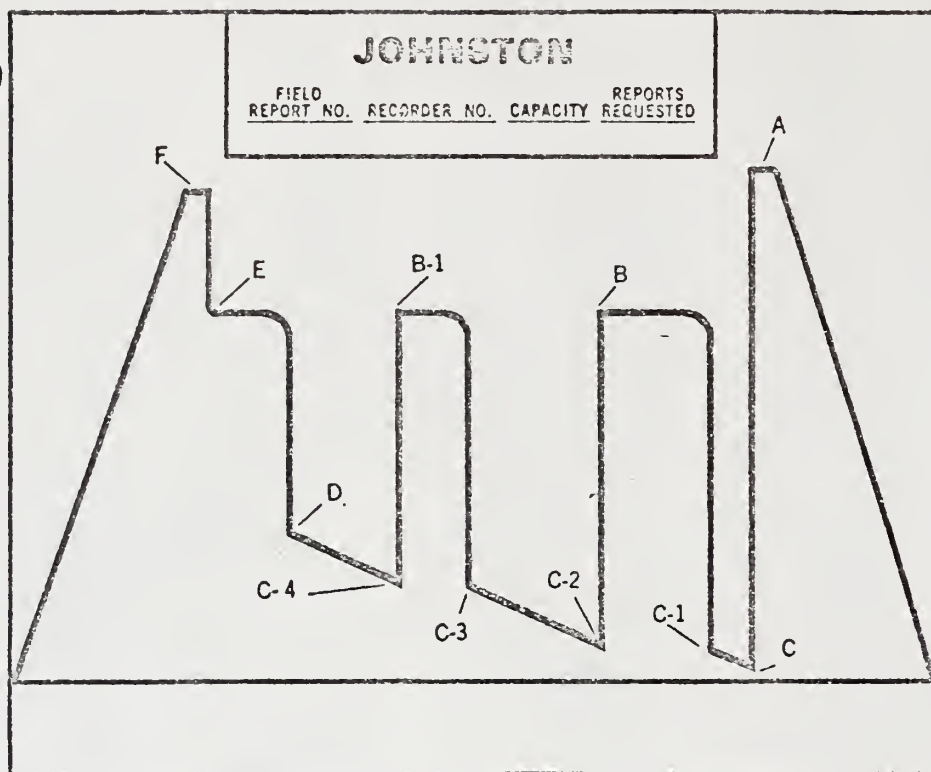
Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
185	210.3		55	257.9		50	356.9	
11 187	210.3		60	257.9		52	365.4	
12 188	195.0		65	257.9		54	372.2	
13 190	241.5		70	257.9		20 56	379.0	
14 193	213.7		75	257.9		58	413.5	
15 195	195.6		16 78	257.9		60	428.8	
1	214.3		2	260.7		62	431.6	
2	223.3		4	261.8		64	433.9	
3	231.3		6	262.4		66	435.0	
4	236.4		8	262.4		68	436.2	
5	241.5		10	262.4		70	437.9	
6	244.9		17 12	263.0		21 72	437.9	
7	247.7		14	265.8		74	398.2	
8	249.9		16	267.5		76	366.5	
9	251.1		18	268.1		78	341.6	
10	252.8		20	268.6		80	320.7	
11	252.8		22	269.2		82	303.7	
12	253.3		24	269.2		84	290.1	
13	253.3		26	269.2		86	280.5	
14	254.5		18 27	269.2		88	273.2	
15	254.5		28	277.7		90	268.1	
16	254.5		30	285.0		92	264.7	
17	254.5		32	290.1		94	262.4	
18	254.5		34	293.0		96	261.2	
19	254.5		36	295.2		98	260.7	
20	254.5		38	297.5		100	260.7	
25	255.0		40	299.2		102	260.1	
30	255.0		19 41	300.3	II B-491	104	259.6	
35	257.9		42	307.7		106	259.6	
40	257.9		44	321.8		108	259.6	
45	257.9		46	334.8		110	259.6	
50	257.9		48	347.3		CONTINUED		

PRESSURE DATA					
Instrument No.	J-029			Field Report No. 09076 C	
Capacity (P.S.I.G.)					
Instrument Depth					
Instrument Opening					
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.				TIME DATA	
Initial Hydrostatic Mud	A			Time Given	Time Computed
Initial Shut-in	B			Mins.	Mins.
Initial Flow	C			Mins.	Mins.
				Mins.	Mins.
				Mins.	Mins.
Final Flow	D			Mins.	Mins.
Final Shut-in	E			Mins.	Mins.
Final Hydrostatic Mud	F				

Clock Travel	inches per min.
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[illegible]

GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



- A. Initial Hyd. Mud
- B. Initial Shut-in
- C. Initial Flow
- D. Final Flow
- E. Final Shut-in
- F. Final Hyd. Mud

The following points are either fluctuating pressures or points indicating other packer settings, (testing different zones).

- A-1, A-2, A-3, etc. Initial Hyd. Pressures
- B-1, B-2, B-3, etc. Subsequent Shut-in Pressures
- C-1, C-2, C-3, etc. Flowing Pressures
- D-1, D-2, D-3, etc. Subsequent Final Flow Pressures
- E-1, E-2, E-3, etc. Subsequent Final Shut-in Pressures
- F-1, F-2, F-3, etc. Final Hyd. Mud Pressures
- Z— Special pressure points such as pumping pressure recorded for formation breakdown.



FIELD REPORT NO.

09076 C

CAPACITY

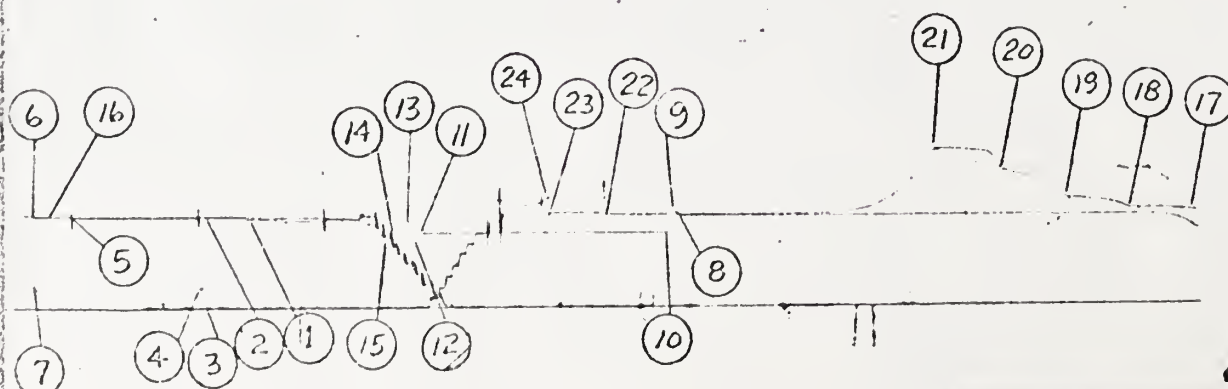
2800#

RECORDER NO.

J-029

REPORTS REQUESTED

15+



II B-493

600-1



PRESSURE DATA

Instrument No.	AK-1-5009			Field Report No. 09076 C	
Capacity (P.S.I.G.)	1500				
Instrument Depth	1084'				
Instrument Opening	OUTSIDE				
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.	92				
				TIME DATA	
Initial Hydrostatic Mud	A			Time Given	Time Computed
Initial Shut-in	B				
Initial Flow	C			Mins.	Mins.
				Mins.	Mins.
				Mins.	Mins.
Final Flow	D			Mins.	Mins.
Final Shut-in	E			Mins.	Mins.
Final Hydrostatic Mud	F			Mins.	Mins.
Remarks:					

* Shut in pressure did not reach static reservoir pressure.

Clock Travel _____ inches per min.

PRESSURE INCREMENTS

POINTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
1	275.7		4	0	87.9	40	278.7	
2	279.5			5	279.0	45	279.1	
3	48.2			10	279.0	50	279.5	
4	87.9			15	279.0	55	279.5	
5	279.5			20	279.0	60	279.5	
6	279.8			25	279.5	65	279.8	
7	100.7		5	30	279.5	70	279.8	
8	280.6					75	279.8	
9	297.2		7	0	100.7	80	279.8	
10	234.5			1	135.1	85	279.8	
11	236.7			2	168.7	90	280.2	
12	220.1			3	186.9	95	280.2	
13	266.2			4	201.2	100	280.2	
14	237.9			5	213.7	105	280.6	
15	220.1			6	224.7	110	280.6	
16	281.0			7	235.6	115	280.6	
17	287.4			8	244.7	120	280.6	
18	295.7			9	252.6	125	280.6	
19	326.3			10	259.0	8	127	280.6
20	406.0			11	263.2	9	129	297.2
21	466.5			12	267.7	10	130	234.5
22	398.5			13	270.8		135	237.1
				14	273.0		140	236.7
				15	274.5		145	237.1
				16	276.0		150	237.1
				17	276.8		155	237.1
				18	277.2		160	237.1
				19	277.6		165	236.7
				20	277.9		170	236.7
				25	278.3		175	236.7
				30	278.7		180	236.7
				35	278.7			

II B-494

CONTINUED

PRESSURE DATA

Instrument No.	-AK-1-5009			Field Report No. 09076 C	
Capacity (P.S.I.G.)					
Instrument Depth					
Instrument Opening					
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.					
				TIME DATA	
Initial Hydrostatic Mud	A			Time Given	Time Computed
Initial Shut-in	B			Mins.	Mins.
Initial Flow	C			Mins.	Mins.
				Mins.	Mins.
				Mins.	Mins.
Final Flow	D			Mins.	Mins.
Final Shut-in	E			Mins.	Mins.
Final Hydrostatic Mud	F			Mins.	Mins.
Remarks:					

* Shut in pressure did not reach static reservoir pressure.

Clock Travel _____ inches per min.

PRESSURE INCREMENTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
185	236.7		55	280.6		50	378.8	
11 187	236.7		60	280.6		52	387.5	
12 188	220.1		65	280.6		54	396.2	
13 190	266.2		70	280.6		20 56	406.0	
14 193	237.9		75	281.0		58	430.2	
15 195	220.1		16 78	281.0		60	453.3	
1	238.6		2	284.0		62	458.6	
2	247.3		4	285.5		64	460.8	
3	255.6		6	286.3		66	462.7	
4	261.3		8	286.6		68	464.2	
5	267.4		10	287.0		70	465.8	
6	270.8		17 12	287.4		21 72	466.5	
7	273.4		14	288.9		74	429.1	
8	275.7		16	291.9		22 76	398.5	
9	276.8		18	293.4		CLOCK STOPPED AT THIS POINT.		
10	277.2		20	294.6				
11	277.9		22	294.6				
12	278.3		24	294.9				
13	278.3		26	295.3				
14	278.7		18 27	295.7				
15	278.7		28	297.2				
16	278.7		30	307.0				
17	279.1		32	313.5				
18	279.1		34	317.2				
19	279.1		36	320.3				
20	279.5		38	322.9				
25	279.8		40	324.8				
30	279.8		19 41	326.3	11 B-495			
35	280.2		42	327.1				
40	280.2		44	340.3				
45	280.2		46	355.4				
50	280.6		48	369.0				



FIELD REPORT NO.

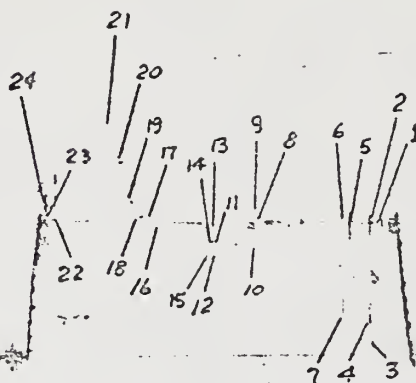
09076 C
CAPACITY

1600#

RECORDER NO.

AK-1-5010
REPORTS REQUESTED

15+



0105



FIELD REPORT NO.

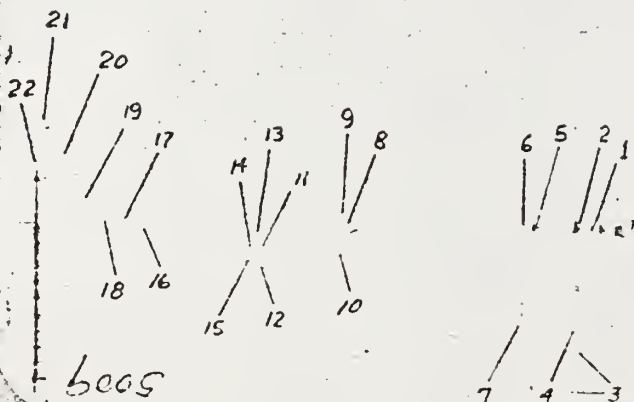
09076 C
CAPACITY

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SPERRY-SUN



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A. J. ROGERS

J. A. Fouché
President

December 13, 1974

Mr. Frederick R. Scheerer
Atlantic Richfield Company
1500 Security Life Building
Denver, Colorado 80202

Dear Sir:

Enclosed is the original of our Precision Pressure Gauge Drill Stem Test Job SPG-11210-E performed on your Federal SG-17 Well, Tract C-b, Piceance Creek Basin, Sorghum Gulch, Rio Blanco County, Colorado on November 22, 1974. Test interval was 1,066 feet (Packer Set) to 1,116 feet (TD) with one gauge inside the annulus above the packer and one gauge inside the drill pipe below the packer.

Also enclosed are the charts for gauge numbers 196 and 204 with Field Data Sheet.

Distribution is being made according to the attached mailing list.

Thank you for this opportunity to be of service.

Very truly yours,

SPERRY-SUN

Carl Kisinger, Jr.

Carl Kisinger, Jr.
Manager, Pressure Services

CK:jg
Enclosure

1066 - 1116

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PRESSURE GAUGE DRILL STEM TEST SHEET

Job No. SPG-11210F Date 11/20/74 Run DET #2 Office Porter
 Customer Acce, Et Al Location Sorghum Gulch
 State Colorado County/Parish Rio Blanco
 Well Sorghum Gulch No. 17 Field Tract C-b

USE MILITARY TIME FOR ALL TIMES

	Time	Date	Time	Date	Time Charged
Arrive: Well/Back	1. <u>0930</u>	<u>11/20/74</u>			
Depart: Well/Back	1. <u>0130</u>	<u>11/21/74</u>			<u>13</u> Hrs.
Gauge Start in Hole	1. <u>1118</u>	<u>11/20/74</u>			
Gauge Out of Hole	1. <u>0053</u>	<u>11/21/74</u>			<u>14</u> Hrs.
No. Trips	<u>1</u>	Miles	<u>45</u>	Total Mileage	<u>90</u>

 Top Gauge # 204 Element # 22761 Range 1000 Time Mode 1000
 Btm. Gauge # 196 Element # 20051 Range 1000 Time Mode 1000
 Type Tool 2. Inertia Hyd Test Depth 1000-1116 Zero Point 2.2
 Packer Depth 1000 Tail Pipe Depth 1116 Top Gauge Depth 1000
 Bottom Hole Temp. 29 Atmos. Temp. 56 Bottom Gauge Depth 1116

TIME INFORMATION

Time Date

PRESSURE INFORMATION

On Bottom	<u>1413</u>	<u>11-20-74</u>	Initial Hydrostatic Mud	
Packer Set	<u>1442-1451</u>	<u>11-20-74</u>	Initial Draw Down	
Initial Open	<u>1451</u>	<u>11-20-74</u>	Initial Build-Up	
Initial Shut-In	<u>1452</u>	<u>11-20-74</u>	Final Flow	
Start Flow	<u>1520</u>	<u>11-20-74</u>	Final Build-Up	
Final Shut-In	<u>2222</u>	<u>11-20-74</u>	Final Hydrostatic Mud	
Packer Unseated	<u>2222</u>	<u>11-20-74</u>	Mud Weight	

TIME OF SURFACE NULLS

	11-20-74	11-21-74		11-20-74	11-21-74
Top Gauge	<u>204</u>	<u>124612</u>	<u>002105</u>	Bottom Gauge	<u>196</u>
					<u>1117:43</u>
					<u>0053:15</u>

Remarks KB + 9' RL
lost location for 1 1/2 hrs

JOB NUMBER
8PG-11210-E

DATE OF JO
11-20-74 TO 11-21-7

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

PREPARED FOR
ATLANTIC RICHFIELD COMPANY

WELL NUMBER FEDERAL SG-17
FIELD/LEASE TRACT C-B SORGHUM GULCH
COUNTY/PARISH RIO BLANCO
STATE COLORADO
TYPE OF TEST DRILL STEM
REFERENCE ELEV GROUND LEVEL

ADDITIONAL INFORMATION

USED GAUGE NO. 196 WITH 1000 LB. ELEMENT
GAUGE DEPTH IS 1101.08 FEET INSIDE DP.
GROUND LEVEL REFERENCE IS 7036 FEET
INITIAL HYDROSTATIC IS 281.63
FINAL HYDROSTATIC IS 343.15
TEST INTERVAL IS FROM 1066 FEET
(PACKER SET) TO 1116 FEET (TD)
INSIDE DP

II B-500

31 POINTS REPORTED THIS JOB

PAGE 1 OF 2 PAGES

JOB NUMBER
SPG-11210-E

DATE OF JO
11-20-74 TO 11-21-7

GAUGE/RUN NUMBER
196 RUN NO. 5 DST NO. 8

DATE OF RL
12-4-7

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
-0.000	22,309	14 52	NOV 20,1974	CLOSE TOOL
.017	243,479	14 53	NOV 20,1974	START INITIAL
.033	233,774	14 54	NOV 20,1974	SHUT-IN
.050	234,131	14 55	NOV 20,1974	
.067	234,250	14 56	NOV 20,1974	
.083	234,298	14 57	NOV 20,1974	
.100	234,369	14 58	NOV 20,1974	
.117	234,417	14 59	NOV 20,1974	
.133	234,393	15 00	NOV 20,1974	
.150	234,417	15 01	NOV 20,1974	
.167	234,417	15 02	NOV 20,1974	
.183	234,440	15 03	NOV 20,1974	
.200	234,417	15 04	NOV 20,1974	
.217	234,440	15 05	NOV 20,1974	
.233	234,417	15 06	NOV 20,1974	
.250	234,464	15 07	NOV 20,1974	
.267	234,417	15 08	NOV 20,1974	
.283	234,488	15 09	NOV 20,1974	
.300	234,488	15 10	NOV 20,1974	
.317	234,512	15 11	NOV 20,1974	
.333	234,512	15 12	NOV 20,1974	
.350	234,536	15 13	NOV 20,1974	
.367	234,464	15 14	NOV 20,1974	
.383	234,512	15 15	NOV 20,1974	
.400	234,512	15 16	NOV 20,1974	
.417	234,512	15 17	NOV 20,1974	
.433	234,512	15 18	NOV 20,1974	
.450	234,631	15 19	NOV 20,1974	
.467	234,536	15 20	NOV 20,1974	
.483	234,583	15 21	NOV 20,1974	
.500	234,607	15 22	NOV 20,1974	END SHUT-IN

II B-501

- 31 POINTS REPORTED THIS RUN

JOB NUMBER
SPG-11210-E

DATE OF JOB
11-20-74 TO 11-21-74

GAUGE/RUN NUMBER
196 RUN NO. 5 DST NO. 8

DATE OF RUN
12-6-74

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0.000	130.444	15 32	NOV 20, 1974	FLOW TEST
.016	156.824	15 33	NOV 20, 1974	IN DP
.033	170.787	15 34	NOV 20, 1974	
.049	189.840	15 35	NOV 20, 1974	
.066	205.706	15 36	NOV 20, 1974	
.082	219.241	15 37	NOV 20, 1974	
.099	231.871	15 38	NOV 20, 1974	
.115	242.766	15 39	NOV 20, 1974	
.132	251.924	15 40	NOV 20, 1974	
.148	260.130	15 41	NOV 20, 1974	
.165	267.052	15 42	NOV 20, 1974	
.181	272.594	15 43	NOV 20, 1974	
.198	277.066	15 44	NOV 20, 1974	
.214	280.730	15 45	NOV 20, 1974	
.231	283.322	15 46	NOV 20, 1974	
.247	285.344	15 47	NOV 20, 1974	
.264	286.581	15 48	NOV 20, 1974	
.280	287.580	15 49	NOV 20, 1974	
.296	288.270	15 50	NOV 20, 1974	
.313	288.746	15 51	NOV 20, 1974	
.329	289.007	15 52	NOV 20, 1974	
.346	289.221	15 53	NOV 20, 1974	
.362	289.293	15 54	NOV 20, 1974	
.379	289.388	15 55	NOV 20, 1974	
.395	289.483	15 56	NOV 20, 1974	
.412	289.483	15 57	NOV 20, 1974	
.428	289.554	15 58	NOV 20, 1974	
.445	289.650	15 59	NOV 20, 1974	
.461	289.650	16 00	NOV 20, 1974	
.478	289.650	16 01	NOV 20, 1974	
.494	289.697	16 02	NOV 20, 1974	END RECOVERY
.511	289.721	16 03	NOV 20, 1974	
.527	289.792	16 04	NOV 20, 1974	
.544	289.816	16 05	NOV 20, 1974	
.560	289.840	16 06	NOV 20, 1974	
.576	289.864	16 07	NOV 20, 1974	
.593	289.887	16 08	NOV 20, 1974	
.609	289.935	16 09	NOV 20, 1974	
.626	289.911	16 10	NOV 20, 1974	
.642	289.935	16 11	NOV 20, 1974	

JOB NUMBER
SPG-11210-E

DATE OF JOB
11-20-74 TO 11-21-74

GAUGE/RUN NUMBER
196 RUN NO. 5 DST NO. 8

DATE OF RUN
12-6-74

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
.659	289.935	16 12	NOV 20, 1974	
.675	289.983	16 13	NOV 20, 1974	
.692	290.006	16 14	NOV 20, 1974	
.708	290.102	16 14	NOV 20, 1974	
.725	290.125	16 15	NOV 20, 1974	
.741	290.125	16 16	NOV 20, 1974	
.758	290.125	16 17	NOV 20, 1974	
.774	290.173	16 18	NOV 20, 1974	
.791	290.197	16 19	NOV 20, 1974	
.807	290.220	16 20	NOV 20, 1974	
.824	290.220	16 21	NOV 20, 1974	
.840	290.220	16 22	NOV 20, 1974	
.856	290.220	16 23	NOV 20, 1974	
.873	290.197	16 24	NOV 20, 1974	
.889	290.244	16 25	NOV 20, 1974	
.906	290.268	16 26	NOV 20, 1974	
.922	290.316	16 27	NOV 20, 1974	
.939	290.339	16 28	NOV 20, 1974	
.955	290.316	16 29	NOV 20, 1974	
.972	290.339	16 30	NOV 20, 1974	
.988	290.363	16 31	NOV 20, 1974	
1.005	290.530	16 32	NOV 20, 1974	
1.021	290.530	16 33	NOV 20, 1974	
1.038	290.458	16 34	NOV 20, 1974	
1.054	290.506	16 35	NOV 20, 1974	
1.071	290.458	16 36	NOV 20, 1974	
1.087	290.435	16 37	NOV 20, 1974	
1.104	290.506	16 38	NOV 20, 1974	
1.120	290.506	16 39	NOV 20, 1974	
1.136	290.553	16 40	NOV 20, 1974	
1.153	290.577	16 41	NOV 20, 1974	
1.169	290.553	16 42	NOV 20, 1974	
1.186	290.625	16 43	NOV 20, 1974	
1.202	290.577	16 44	NOV 20, 1974	
1.219	290.577	16 45	NOV 20, 1974	
1.235	290.625	16 46	NOV 20, 1974	
1.252	290.601	16 47	NOV 20, 1974	
1.268	290.601	16 48	NOV 20, 1974	
1.285	290.625	16 49	NOV 20, 1974	
1.301	290.577	16 50	NOV 20, 1974	

JOB NUMBER
SPG-11210-E

DATE OF JOB
11-20-74 TO 11-21-74

GAUGE/RUN NUMBER
196 RUN NO. 5 DST NO. 8

DATE OF RUN
12-6-74

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
1.318	290.601	16 51	NOV 20, 1974	
1.334	290.672	16 52	NOV 20, 1974	
1.351	290.720	16 53	NOV 20, 1974	
1.367	290.720	16 54	NOV 20, 1974	
1.384	290.696	16 55	NOV 20, 1974	
1.400	290.744	16 56	NOV 20, 1974	
1.416	290.768	16 57	NOV 20, 1974	
1.433	290.768	16 58	NOV 20, 1974	
1.449	290.744	16 59	NOV 20, 1974	
1.466	290.744	17 00	NOV 20, 1974	
1.482	290.791	17 01	NOV 20, 1974	
1.499	290.744	17 02	NOV 20, 1974	
1.515	290.934	17 03	NOV 20, 1974	
1.532	290.863	17 04	NOV 20, 1974	
1.548	291.172	17 05	NOV 20, 1974	
1.565	291.029	17 06	NOV 20, 1974	
1.581	290.958	17 07	NOV 20, 1974	
1.598	291.220	17 08	NOV 20, 1974	
1.614	291.053	17 09	NOV 20, 1974	
1.631	290.958	17 10	NOV 20, 1974	
1.647	290.886	17 11	NOV 20, 1974	
1.664	290.886	17 12	NOV 20, 1974	
1.680	291.148	17 13	NOV 20, 1974	
1.696	291.053	17 14	NOV 20, 1974	
1.713	291.362	17 15	NOV 20, 1974	
1.729	291.148	17 16	NOV 20, 1974	
1.746	291.481	17 17	NOV 20, 1974	
1.762	291.267	17 18	NOV 20, 1974	
1.779	291.410	17 19	NOV 20, 1974	
1.795	291.196	17 20	NOV 20, 1974	
1.812	291.196	17 21	NOV 20, 1974	
1.828	291.434	17 22	NOV 20, 1974	
1.845	291.243	17 23	NOV 20, 1974	
1.861	291.410	17 24	NOV 20, 1974	
1.878	291.338	17 25	NOV 20, 1974	
1.894	291.529	17 26	NOV 20, 1974	
1.911	291.362	17 27	NOV 20, 1974	
1.927	291.600	17 28	NOV 20, 1974	
1.944	291.362	17 29	NOV 20, 1974	
1.960	291.267	17 30	NOV 20, 1974	

JOB NUMBER
SPG-11210-E

DATE OF JOB
11-20-74 TO 11-21-74

GAUGE/RUN NUMBER
196 RUN NO. 5 DST NO. 8

DATE OF RUN
12-6-74

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
1.976	291.267	17 31	NOV 20, 1974	
1.993	291.243	17 32	NOV 20, 1974	
2.009	289.459	17 33	NOV 20, 1974	
2.026	291.457	17 34	NOV 20, 1974	
2.042	291.338	17 35	NOV 20, 1974	
2.059	291.291	17 36	NOV 20, 1974	
2.075	291.267	17 37	NOV 20, 1974	
2.092	291.267	17 38	NOV 20, 1974	
2.108	291.196	17 38	NOV 20, 1974	
2.125	296.405	17 39	NOV 20, 1974	START AIR JET
2.141	305.967	17 40	NOV 20, 1974	INSIDE DP
2.158	279.564	17 41	NOV 20, 1974	
2.174	255.801	17 42	NOV 20, 1974	
2.191	244.597	17 43	NOV 20, 1974	
2.207	247.333	17 44	NOV 20, 1974	
2.224	247.927	17 45	NOV 20, 1974	
2.240	247.904	17 46	NOV 20, 1974	
2.256	247.975	17 47	NOV 20, 1974	
2.273	248.118	17 48	NOV 20, 1974	
2.289	248.046	17 49	NOV 20, 1974	
2.306	247.690	17 50	NOV 20, 1974	
2.322	247.618	17 51	NOV 20, 1974	
2.339	247.618	17 52	NOV 20, 1974	
2.355	247.999	17 53	NOV 20, 1974	
2.372	248.023	17 54	NOV 20, 1974	
2.388	248.046	17 55	NOV 20, 1974	
2.405	247.975	17 56	NOV 20, 1974	
2.421	248.142	17 57	NOV 20, 1974	
2.438	248.023	17 58	NOV 20, 1974	
2.454	247.832	17 59	NOV 20, 1974	
2.471	247.404	18 00	NOV 20, 1974	
2.487	247.618	18 01	NOV 20, 1974	
2.504	247.737	18 02	NOV 20, 1974	
2.520	247.690	18 03	NOV 20, 1974	
2.536	247.476	18 04	NOV 20, 1974	
2.553	247.452	18 05	NOV 20, 1974	
2.569	247.618	18 06	NOV 20, 1974	
2.586	247.594	18 07	NOV 20, 1974	
2.602	247.452	18 08	NOV 20, 1974	
2.619	246.643	18 09	NOV 20, 1974	

JOB NUMBER
SPG-11210-E

DATE OF JO
11-20-74 TO 11-21-74

GAUGE/RUN NUMBER
196 RUN NO. 5 DST NO. 8

DATE OF RU
12-6-74

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
2,635	248,118	18 10	NOV 20,1974	
2,652	247,713	18 11	NOV 20,1974	
2,668	247,452	18 12	NOV 20,1974	
2,685	247,476	18 13	NOV 20,1974	
2,701	247,713	18 14	NOV 20,1974	
2,718	247,618	18 15	NOV 20,1974	
2,734	247,190	18 16	NOV 20,1974	
2,751	247,309	18 17	NOV 20,1974	
2,767	247,404	18 18	NOV 20,1974	
2,784	247,452	18 19	NOV 20,1974	
2,800	247,452	18 20	NOV 20,1974	
2,816	247,547	18 21	NOV 20,1974	
2,833	247,499	18 22	NOV 20,1974	
2,849	247,547	18 23	NOV 20,1974	
2,866	247,690	18 24	NOV 20,1974	
2,882	247,499	18 25	NOV 20,1974	
2,899	247,452	18 26	NOV 20,1974	
2,915	247,404	18 27	NOV 20,1974	
2,932	247,499	18 28	NOV 20,1974	
2,948	247,499	18 29	NOV 20,1974	
2,965	247,571	18 30	NOV 20,1974	
2,981	247,309	18 31	NOV 20,1974	
2,998	247,380	18 32	NOV 20,1974	
3,014	247,761	18 33	NOV 20,1974	
3,031	247,547	18 34	NOV 20,1974	
3,047	247,452	18 35	NOV 20,1974	
3,064	247,642	18 36	NOV 20,1974	
3,080	247,333	18 37	NOV 20,1974	
3,096	247,594	18 38	NOV 20,1974	
3,113	247,309	18 39	NOV 20,1974	
3,129	247,785	18 40	NOV 20,1974	END FIRST JET
3,146	229,255	18 41	NOV 20,1974	RE-JETTING
3,162	255,373	18 42	NOV 20,1974	
3,179	271,643	18 43	NOV 20,1974	
3,195	266,029	18 44	NOV 20,1974	
3,212	250,925	18 45	NOV 20,1974	
3,228	248,546	18 46	NOV 20,1974	
3,245	248,046	18 47	NOV 20,1974	
3,261	229,945	18 48	NOV 20,1974	END RE-JET
3,278	234,202	18 49	NOV 20,1974	START RETRIEVE

JOB NUMBER
SPG-11210-E

DATE OF JO
11-20-74 TO 11-21-74

GAUGE/RUN NUMBER
196 RUN NO. 5 DST NO. 8

DATE OF RU
12-6-74

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
3.294	252.257	18 50	NOV 20, 1974	3/4 IN. PIPE
3.311	260.986	18 51	NOV 20, 1974	
3.327	268.789	18 52	NOV 20, 1974	
3.344	274.735	18 53	NOV 20, 1974	
3.360	279.374	18 54	NOV 20, 1974	
3.376	282.965	18 55	NOV 20, 1974	
3.393	285.582	18 56	NOV 20, 1974	
3.409	287.318	18 57	NOV 20, 1974	
3.426	288.103	18 58	NOV 20, 1974	
3.442	288.936	18 59	NOV 20, 1974	
3.459	289.079	19 00	NOV 20, 1974	
3.475	289.221	19 01	NOV 20, 1974	
3.492	289.388	19 02	NOV 20, 1974	
3.508	289.792	19 02	NOV 20, 1974	
3.525	289.721	19 03	NOV 20, 1974	
3.541	289.578	19 04	NOV 20, 1974	
3.558	290.054	19 05	NOV 20, 1974	
3.574	289.935	19 06	NOV 20, 1974	
3.591	289.959	19 07	NOV 20, 1974	
3.607	290.197	19 08	NOV 20, 1974	
3.624	290.054	19 09	NOV 20, 1974	
3.640	289.935	19 10	NOV 20, 1974	
3.656	290.220	19 11	NOV 20, 1974	
3.673	290.482	19 12	NOV 20, 1974	
3.689	290.601	19 13	NOV 20, 1974	
3.706	290.268	19 14	NOV 20, 1974	
3.722	290.839	19 15	NOV 20, 1974	
3.739	290.886	19 16	NOV 20, 1974	
3.755	290.910	19 17	NOV 20, 1974	
3.772	290.982	19 18	NOV 20, 1974	
3.788	291.005	19 19	NOV 20, 1974	
3.805	291.029	19 20	NOV 20, 1974	
3.821	291.053	19 21	NOV 20, 1974	
3.838	291.077	19 22	NOV 20, 1974	
3.854	291.077	19 23	NOV 20, 1974	
3.871	291.005	19 24	NOV 20, 1974	
3.887	291.124	19 25	NOV 20, 1974	
3.904	291.172	19 26	NOV 20, 1974	
3.920	291.148	19 27	NOV 20, 1974	
3.936	291.220	19 28	NOV 20, 1974	

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DATE OF JOB
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12-6-74

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
3.953	291.220	19 29	NOV 20, 1974	
3.969	291.196	19 30	NOV 20, 1974	
3.986	291.315	19 31	NOV 20, 1974	
4.002	291.315	19 32	NOV 20, 1974	
4.019	291.315	19 33	NOV 20, 1974	
4.035	291.315	19 34	NOV 20, 1974	
4.052	291.362	19 35	NOV 20, 1974	
4.068	291.386	19 36	NOV 20, 1974	
4.085	291.410	19 37	NOV 20, 1974	
4.101	291.434	19 38	NOV 20, 1974	
4.118	291.434	19 39	NOV 20, 1974	
4.134	291.434	19 40	NOV 20, 1974	
4.151	291.457	19 41	NOV 20, 1974	
4.167	291.481	19 42	NOV 20, 1974	
4.184	291.505	19 43	NOV 20, 1974	
4.200	291.505	19 44	NOV 20, 1974	
4.216	291.529	19 45	NOV 20, 1974	
4.233	291.553	19 46	NOV 20, 1974	
4.249	291.529	19 47	NOV 20, 1974	
4.266	291.553	19 48	NOV 20, 1974	
4.282	291.576	19 49	NOV 20, 1974	
4.299	291.600	19 50	NOV 20, 1974	
4.315	291.600	19 51	NOV 20, 1974	
4.332	291.576	19 52	NOV 20, 1974	
4.348	291.624	19 53	NOV 20, 1974	
4.365	291.648	19 54	NOV 20, 1974	
4.381	291.671	19 55	NOV 20, 1974	
4.398	291.671	19 56	NOV 20, 1974	
4.414	291.648	19 57	NOV 20, 1974	
4.431	291.671	19 58	NOV 20, 1974	
4.447	291.695	19 59	NOV 20, 1974	
4.464	291.719	20 00	NOV 20, 1974	
4.480	291.719	20 01	NOV 20, 1974	
4.496	291.719	20 02	NOV 20, 1974	
4.513	291.767	20 03	NOV 20, 1974	
4.529	291.767	20 04	NOV 20, 1974	
4.546	291.767	20 05	NOV 20, 1974	
4.562	293.432	20 06	NOV 20, 1974	START 2.5 GPM
4.579	295.049	20 07	NOV 20, 1974	DOWN DP
4.595	296.048	20 08	NOV 20, 1974	

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SPERRY-SUN
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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
4.612	296.762	20 09	NOV 20, 1974	
4.628	297.190	20 10	NOV 20, 1974	
4.645	297.547	20 11	NOV 20, 1974	
4.661	297.808	20 12	NOV 20, 1974	
4.678	298.046	20 13	NOV 20, 1974	
4.694	298.213	20 14	NOV 20, 1974	
4.711	298.308	20 15	NOV 20, 1974	
4.727	298.379	20 16	NOV 20, 1974	
4.744	298.498	20 17	NOV 20, 1974	
4.760	298.522	20 18	NOV 20, 1974	
4.776	299.164	20 19	NOV 20, 1974	START 5 GPM
4.793	301.067	20 20	NOV 20, 1974	DOWN DP
4.809	302.376	20 21	NOV 20, 1974	
4.826	303.398	20 22	NOV 20, 1974	
4.842	304.160	20 23	NOV 20, 1974	
4.859	304.659	20 24	NOV 20, 1974	
4.875	305.111	20 25	NOV 20, 1974	
4.892	305.468	20 26	NOV 20, 1974	
4.908	305.729	20 26	NOV 20, 1974	
4.925	305.944	20 27	NOV 20, 1974	
4.941	306.110	20 28	NOV 20, 1974	
4.958	306.348	20 29	NOV 20, 1974	
4.974	306.443	20 30	NOV 20, 1974	
4.991	306.586	20 31	NOV 20, 1974	
5.007	306.657	20 32	NOV 20, 1974	
5.024	309.726	20 33	NOV 20, 1974	START 10 GPM
5.040	313.722	20 34	NOV 20, 1974	DOWN DP
5.056	318.313	20 35	NOV 20, 1974	
5.073	321.857	20 36	NOV 20, 1974	
5.089	324.806	20 37	NOV 20, 1974	
5.106	327.114	20 38	NOV 20, 1974	
5.122	328.993	20 39	NOV 20, 1974	
5.139	330.515	20 40	NOV 20, 1974	
5.155	331.824	20 41	NOV 20, 1974	
5.172	333.061	20 42	NOV 20, 1974	
5.188	334.131	20 43	NOV 20, 1974	
5.205	335.130	20 44	NOV 20, 1974	
5.221	336.153	20 45	NOV 20, 1974	
5.238	337.152	20 46	NOV 20, 1974	
5.254	338.127	20 47	NOV 20, 1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
5,271	344,240	20 48	NOV 20,1974	START 20 GPM
5,287	351,876	20 49	NOV 20,1974	DOWN DP
5,304	359,630	20 50	NOV 20,1974	
5,320	365,910	20 51	NOV 20,1974	
5,336	372,095	20 52	NOV 20,1974	
5,353	378,826	20 53	NOV 20,1974	
5,369	384,511	20 54	NOV 20,1974	
5,386	389,388	20 55	NOV 20,1974	
5,402	394,502	20 56	NOV 20,1974	
5,419	398,641	20 57	NOV 20,1974	
5,435	403,422	20 58	NOV 20,1974	
5,452	406,705	20 59	NOV 20,1974	
5,468	410,772	21 00	NOV 20,1974	
5,485	413,936	21 01	NOV 20,1974	
5,501	417,813	21 02	NOV 20,1974	START 21 GPM
5,518	433,029	21 03	NOV 20,1974	DOWN DP
5,534	451,142	21 04	NOV 20,1974	
5,551	463,500	21 05	NOV 20,1974	
5,567	466,873	21 06	NOV 20,1974	
5,584	468,783	21 07	NOV 20,1974	
5,600	470,340	21 08	NOV 20,1974	
5,616	471,590	21 09	NOV 20,1974	
5,633	472,345	21 10	NOV 20,1974	
5,649	473,500	21 11	NOV 20,1974	
5,666	474,184	21 12	NOV 20,1974	
5,682	474,868	21 13	NOV 20,1974	
5,699	475,458	21 14	NOV 20,1974	
5,715	476,165	21 15	NOV 20,1974	
5,732	476,731	21 16	NOV 20,1974	
5,748	477,180	21 17	NOV 20,1974	DP FILLED
5,765	457,345	21 18	NOV 20,1974	START DECLINE
5,781	439,231	21 19	NOV 20,1974	
5,798	423,029	21 20	NOV 20,1974	
5,814	407,989	21 21	NOV 20,1974	
5,831	393,931	21 22	NOV 20,1974	
5,847	381,229	21 23	NOV 20,1974	
5,864	369,740	21 24	NOV 20,1974	
5,880	359,535	21 25	NOV 20,1974	
5,896	350,615	21 26	NOV 20,1974	
5,913	342,314	21 27	NOV 20,1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
5,929	334,488	21 28	NOV 20,1974	
5,946	327,613	21 29	NOV 20,1974	
5,962	321,738	21 30	NOV 20,1974	
5,979	316,790	21 31	NOV 20,1974	
5,995	312,532	21 32	NOV 20,1974	
6,012	308,941	21 33	NOV 20,1974	
6,028	306,015	21 34	NOV 20,1974	
6,045	303,494	21 35	NOV 20,1974	
6,061	301,258	21 36	NOV 20,1974	
6,078	300,044	21 37	NOV 20,1974	
6,094	298,712	21 38	NOV 20,1974	
6,111	297,594	21 39	NOV 20,1974	
6,127	296,833	21 40	NOV 20,1974	
6,144	296,310	21 41	NOV 20,1974	
6,160	295,906	21 42	NOV 20,1974	
6,176	295,549	21 43	NOV 20,1974	
6,193	295,335	21 44	NOV 20,1974	
6,209	295,168	21 45	NOV 20,1974	
6,226	295,025	21 46	NOV 20,1974	
6,242	294,930	21 47	NOV 20,1974	
6,259	294,883	21 48	NOV 20,1974	START 20 GPM
6,275	294,764	21 49	NOV 20,1974	DOWN ANNULUS
6,292	294,716	21 50	NOV 20,1974	
6,308	294,669	21 50	NOV 20,1974	
6,325	294,669	21 51	NOV 20,1974	
6,341	294,669	21 52	NOV 20,1974	
6,358	294,597	21 53	NOV 20,1974	
6,374	294,550	21 54	NOV 20,1974	
6,391	294,669	21 55	NOV 20,1974	
6,407	294,740	21 56	NOV 20,1974	
6,424	294,811	21 57	NOV 20,1974	
6,440	294,811	21 58	NOV 20,1974	
6,456	294,930	21 59	NOV 20,1974	
6,473	295,049	22 00	NOV 20,1974	
6,489	295,121	22 01	NOV 20,1974	
6,506	295,168	22 02	NOV 20,1974	START 40 GPM
6,522	295,192	22 03	NOV 20,1974	DOWN ANNULUS
6,539	295,239	22 04	NOV 20,1974	
6,555	295,263	22 05	NOV 20,1974	
6,572	295,335	22 06	NOV 20,1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
6,588	295,430	22 07	NOV 20,1974	
6,605	295,549	22 08	NOV 20,1974	
6,621	295,596	22 09	NOV 20,1974	
6,638	295,763	22 10	NOV 20,1974	
6,654	295,810	22 11	NOV 20,1974	
6,671	295,882	22 12	NOV 20,1974	
6,687	296,001	22 13	NOV 20,1974	
6,704	296,072	22 14	NOV 20,1974	
6,720	296,191	22 15	NOV 20,1974	
6,736	296,286	22 16	NOV 20,1974	
6,753	296,357	22 17	NOV 20,1974	START 55 GPM
6,769	296,476	22 18	NOV 20,1974	DOWN ANNULUS
6,786	296,572	22 19	NOV 20,1974	
6,802	296,690	22 20	NOV 20,1974	
6,819	296,738	22 21	NOV 20,1974	
6,835	296,809	22 22	NOV 20,1974	
6,852	296,952	22 23	NOV 20,1974	
6,868	297,047	22 24	NOV 20,1974	
6,885	297,119	22 25	NOV 20,1974	
6,901	297,190	22 26	NOV 20,1974	
6,918	297,261	22 27	NOV 20,1974	
6,934	297,357	22 28	NOV 20,1974	
6,951	297,428	22 29	NOV 20,1974	
6,967	297,523	22 30	NOV 20,1974	
6,984	297,594	22 31	NOV 20,1974	
7,000	297,690	22 32	NOV 20,1974	END INJECTION

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JOB NUMBER
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11-20-74 TO 11-21-7

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

PREPARED FOR

ATLANTIC RICHFIELD COMPANY

WELL NUMBER FEDERAL SG-17
FIELD/LEASE TRACT C-B SORGHUM GULCH
COUNTY/PARISH RIO BLANCO
STATE COLORADO
TYPE OF TEST DRILL STEM
REFERENCE ELEV GROUND LEVEL

ADDITIONAL INFORMATION

USED GAUGE NO. 204 WITH 1000 LB. ELEMENT

GAUGE DEPTH IS 1025.85 FEET OUTSIDE

DP - IN ANNULUS

GROUND LEVEL REFERENCE IS 7036 FEET

TEST INTERVAL IS FROM ZERO FEET

(SURFACE) TO 1066 FEET (PACKER DEPTH)

INSIDE ANNULUS

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PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0.000	248.196	14 52	NOV 20, 1974	CLOSE TOOL
.017	248.219	14 53	NOV 20, 1974	START INITIAL
.034	248.219	14 54	NOV 20, 1974	SHUT-IN
.052	248.219	14 55	NOV 20, 1974	
.069	248.219	14 56	NOV 20, 1974	
.086	248.242	14 57	NOV 20, 1974	
.103	248.288	14 58	NOV 20, 1974	
.121	248.288	14 59	NOV 20, 1974	
.138	248.288	15 00	NOV 20, 1974	
.155	248.333	15 01	NOV 20, 1974	
.172	248.333	15 02	NOV 20, 1974	
.190	248.333	15 03	NOV 20, 1974	
.207	248.333	15 04	NOV 20, 1974	
.224	248.356	15 05	NOV 20, 1974	
.241	248.356	15 06	NOV 20, 1974	
.259	248.356	15 08	NOV 20, 1974	
.276	248.356	15 09	NOV 20, 1974	
.293	248.356	15 10	NOV 20, 1974	
.310	248.379	15 11	NOV 20, 1974	
.328	248.379	15 12	NOV 20, 1974	
.345	248.379	15 13	NOV 20, 1974	
.362	248.402	15 14	NOV 20, 1974	
.379	248.402	15 15	NOV 20, 1974	
.397	248.402	15 16	NOV 20, 1974	
.414	248.425	15 17	NOV 20, 1974	
.431	248.425	15 18	NOV 20, 1974	
.448	248.448	15 19	NOV 20, 1974	
.466	248.448	15 20	NOV 20, 1974	
.483	248.448	15 21	NOV 20, 1974	
.500	248.448	15 22	NOV 20, 1974	END SHUT-IN

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30 POINTS REPORTED THIS RUN

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SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0.000	248.654	15 32	NOV 20, 1974	
.017	248.608	15 33	NOV 20, 1974	
.033	248.539	15 34	NOV 20, 1974	
.050	248.494	15 35	NOV 20, 1974	
.066	248.379	15 36	NOV 20, 1974	
.083	248.356	15 37	NOV 20, 1974	
.099	248.288	15 38	NOV 20, 1974	
.116	248.288	15 39	NOV 20, 1974	
.132	248.242	15 40	NOV 20, 1974	
.149	248.242	15 41	NOV 20, 1974	
.165	248.219	15 42	NOV 20, 1974	
.182	248.196	15 43	NOV 20, 1974	
.198	248.196	15 44	NOV 20, 1974	
.215	248.196	15 45	NOV 20, 1974	
.231	248.219	15 46	NOV 20, 1974	
.248	248.242	15 47	NOV 20, 1974	
.264	248.265	15 48	NOV 20, 1974	
.281	248.288	15 49	NOV 20, 1974	
.297	248.356	15 50	NOV 20, 1974	
.314	248.333	15 51	NOV 20, 1974	
.330	248.356	15 52	NOV 20, 1974	
.347	248.333	15 53	NOV 20, 1974	
.363	248.356	15 54	NOV 20, 1974	
.380	248.402	15 55	NOV 20, 1974	
.396	248.425	15 56	NOV 20, 1974	
.413	248.425	15 57	NOV 20, 1974	
.429	248.471	15 58	NOV 20, 1974	
.446	248.471	15 59	NOV 20, 1974	
.462	248.516	16 00	NOV 20, 1974	
.479	248.516	16 01	NOV 20, 1974	
.495	248.539	16 02	NOV 20, 1974	END RECOVERY
.512	248.562	16 03	NOV 20, 1974	
.528	248.585	16 04	NOV 20, 1974	
.545	248.585	16 05	NOV 20, 1974	
.561	248.608	16 06	NOV 20, 1974	
.578	248.631	16 07	NOV 20, 1974	
.594	248.631	16 08	NOV 20, 1974	
.611	248.631	16 09	NOV 20, 1974	
.627	248.677	16 10	NOV 20, 1974	
.644	248.699	16 11	NOV 20, 1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
.660	248.722	16 12	NOV 20, 1974	
.677	248.745	16 13	NOV 20, 1974	
.693	248.745	16 14	NOV 20, 1974	
.710	248.768	16 15	NOV 20, 1974	
.726	248.768	16 16	NOV 20, 1974	
.743	248.791	16 17	NOV 20, 1974	
.759	248.814	16 18	NOV 20, 1974	
.776	248.814	16 19	NOV 20, 1974	
.792	248.837	16 20	NOV 20, 1974	
.809	248.837	16 21	NOV 20, 1974	
.825	248.837	16 22	NOV 20, 1974	
.842	248.882	16 23	NOV 20, 1974	
.858	248.882	16 24	NOV 20, 1974	
.875	248.882	16 25	NOV 20, 1974	
.892	248.905	16 25	NOV 20, 1974	
.908	248.928	16 26	NOV 20, 1974	
.925	248.951	16 27	NOV 20, 1974	
.941	248.928	16 28	NOV 20, 1974	
.958	248.951	16 29	NOV 20, 1974	
.974	248.974	16 30	NOV 20, 1974	
.991	248.951	16 31	NOV 20, 1974	
1.007	249.020	16 32	NOV 20, 1974	
1.024	248.974	16 33	NOV 20, 1974	
1.040	248.974	16 34	NOV 20, 1974	
1.057	248.974	16 35	NOV 20, 1974	
1.073	248.997	16 36	NOV 20, 1974	
1.090	248.997	16 37	NOV 20, 1974	
1.106	249.020	16 38	NOV 20, 1974	
1.123	249.020	16 39	NOV 20, 1974	
1.139	249.065	16 40	NOV 20, 1974	
1.156	249.065	16 41	NOV 20, 1974	
1.172	249.134	16 42	NOV 20, 1974	
1.189	249.065	16 43	NOV 20, 1974	
1.205	249.065	16 44	NOV 20, 1974	
1.222	249.111	16 45	NOV 20, 1974	
1.238	249.111	16 46	NOV 20, 1974	
1.255	249.111	16 47	NOV 20, 1974	
1.271	249.134	16 48	NOV 20, 1974	
1.288	249.134	16 49	NOV 20, 1974	
1.304	249.180	16 50	NOV 20, 1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
1,321	249,157	16 51	NOV 20,1974	
1,337	249,157	16 52	NOV 20,1974	
1,354	249,180	16 53	NOV 20,1974	
1,370	249,271	16 54	NOV 20,1974	
1,387	249,203	16 55	NOV 20,1974	
1,403	249,203	16 56	NOV 20,1974	
1,420	249,203	16 57	NOV 20,1974	
1,436	249,248	16 58	NOV 20,1974	
1,453	249,248	16 59	NOV 20,1974	
1,469	249,225	17 00	NOV 20,1974	
1,486	249,225	17 01	NOV 20,1974	
1,502	249,294	17 02	NOV 20,1974	
1,519	249,294	17 03	NOV 20,1974	
1,535	249,317	17 04	NOV 20,1974	
1,552	249,203	17 05	NOV 20,1974	
1,568	249,340	17 06	NOV 20,1974	
1,585	249,340	17 07	NOV 20,1974	
1,601	249,317	17 08	NOV 20,1974	
1,618	249,317	17 09	NOV 20,1974	
1,634	249,317	17 10	NOV 20,1974	
1,651	249,340	17 11	NOV 20,1974	
1,667	249,363	17 12	NOV 20,1974	
1,684	249,225	17 13	NOV 20,1974	
1,700	249,386	17 14	NOV 20,1974	
1,717	249,386	17 15	NOV 20,1974	
1,733	249,386	17 16	NOV 20,1974	
1,750	249,431	17 17	NOV 20,1974	
1,767	249,431	17 18	NOV 20,1974	
1,783	249,454	17 19	NOV 20,1974	
1,800	249,454	17 20	NOV 20,1974	
1,816	249,454	17 21	NOV 20,1974	
1,833	249,477	17 22	NOV 20,1974	
1,849	249,477	17 23	NOV 20,1974	
1,866	249,454	17 24	NOV 20,1974	
1,882	249,454	17 25	NOV 20,1974	
1,899	249,546	17 26	NOV 20,1974	
1,915	249,546	17 27	NOV 20,1974	
1,932	249,500	17 28	NOV 20,1974	
1,948	249,523	17 29	NOV 20,1974	
1,965	249,523	17 30	NOV 20,1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
1,981	249,569	17 31	NOV 20,1974	
1,998	249,569	17 32	NOV 20,1974	
2,014	249,569	17 33	NOV 20,1974	
2,031	249,569	17 34	NOV 20,1974	
2,047	249,569	17 35	NOV 20,1974	
2,064	249,774	17 36	NOV 20,1974	
2,080	249,591	17 37	NOV 20,1974	
2,097	249,614	17 38	NOV 20,1974	
2,113	249,591	17 39	NOV 20,1974	START AIR JET
2,130	249,569	17 40	NOV 20,1974	INSIDE DP
2,146	249,637	17 41	NOV 20,1974	
2,163	249,637	17 42	NOV 20,1974	
2,179	249,660	17 43	NOV 20,1974	
2,196	249,614	17 44	NOV 20,1974	
2,212	249,637	17 45	NOV 20,1974	
2,229	249,706	17 46	NOV 20,1974	
2,245	249,752	17 47	NOV 20,1974	
2,262	249,752	17 48	NOV 20,1974	
2,278	249,774	17 49	NOV 20,1974	
2,295	249,797	17 50	NOV 20,1974	
2,311	249,797	17 51	NOV 20,1974	
2,328	249,752	17 52	NOV 20,1974	
2,344	249,797	17 53	NOV 20,1974	
2,361	249,752	17 54	NOV 20,1974	
2,377	249,752	17 55	NOV 20,1974	
2,394	249,752	17 56	NOV 20,1974	
2,410	249,660	17 57	NOV 20,1974	
2,427	249,706	17 58	NOV 20,1974	
2,443	249,683	17 59	NOV 20,1974	
2,460	249,637	18 00	NOV 20,1974	
2,476	249,637	18 01	NOV 20,1974	
2,493	249,660	18 02	NOV 20,1974	
2,509	249,637	18 03	NOV 20,1974	
2,526	249,569	18 04	NOV 20,1974	
2,542	249,591	18 05	NOV 20,1974	
2,559	249,569	18 06	NOV 20,1974	
2,575	249,546	18 07	NOV 20,1974	
2,592	249,569	18 08	NOV 20,1974	
2,608	249,546	18 09	NOV 20,1974	
2,625	249,546	18 10	NOV 20,1974	

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DATE OF JO
11-20-74 TO 11-21-7

GAUGE/RUN NUMBER
204 RUN NO. 5 DST NO. 8

DATE OF RU
12-9-7

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
2,642	249,546	18 10	NOV 20,1974	
2,658	249,500	18 11	NOV 20,1974	
2,675	249,523	18 12	NOV 20,1974	
2,691	249,523	18 13	NOV 20,1974	
2,708	249,500	18 14	NOV 20,1974	
2,724	249,523	18 15	NOV 20,1974	
2,741	249,546	18 16	NOV 20,1974	
2,757	249,546	18 17	NOV 20,1974	
2,774	249,546	18 18	NOV 20,1974	
2,790	249,523	18 19	NOV 20,1974	
2,807	249,523	18 20	NOV 20,1974	
2,823	249,523	18 21	NOV 20,1974	
2,840	249,523	18 22	NOV 20,1974	
2,856	249,477	18 23	NOV 20,1974	
2,873	249,500	18 24	NOV 20,1974	
2,889	249,500	18 25	NOV 20,1974	
2,906	249,500	18 26	NOV 20,1974	
2,922	249,523	18 27	NOV 20,1974	
2,939	249,500	18 28	NOV 20,1974	
2,955	249,546	18 29	NOV 20,1974	
2,972	249,546	18 30	NOV 20,1974	
2,988	249,500	18 31	NOV 20,1974	
3,005	249,546	18 32	NOV 20,1974	
3,021	249,546	18 33	NOV 20,1974	
3,038	249,500	18 34	NOV 20,1974	
3,054	249,477	18 35	NOV 20,1974	
3,071	249,477	18 36	NOV 20,1974	
3,087	249,546	18 37	NOV 20,1974	
3,104	249,546	18 38	NOV 20,1974	
3,120	249,546	18 39	NOV 20,1974	
3,137	249,546	18 40	NOV 20,1974	END FIRST JET
3,153	249,569	18 41	NOV 20,1974	RE-JETTING
3,170	249,500	18 42	NOV 20,1974	
3,186	249,477	18 43	NOV 20,1974	
3,203	249,477	18 44	NOV 20,1974	
3,219	249,408	18 45	NOV 20,1974	
3,236	249,408	18 46	NOV 20,1974	
3,252	249,454	18 47	NOV 20,1974	
3,269	249,454	18 48	NOV 20,1974	END RE-JET
3,285	249,477	18 49	NOV 20,1974	START RETRIEVE

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GAUGE/RUN NUMBER
204 RUN NO. 5 DST NO. 8

DATE OF RUN
12-9-74

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
3,302	249,431	18 50	NOV 20, 1974	3/4 IN. PIPE
3,318	249,569	18 51	NOV 20, 1974	
3,335	249,340	18 52	NOV 20, 1974	
3,351	249,340	18 53	NOV 20, 1974	
3,368	249,317	18 54	NOV 20, 1974	
3,384	249,271	18 55	NOV 20, 1974	
3,401	249,271	18 56	NOV 20, 1974	
3,417	249,294	18 57	NOV 20, 1974	
3,434	249,294	18 58	NOV 20, 1974	
3,450	249,294	18 59	NOV 20, 1974	
3,467	249,363	19 00	NOV 20, 1974	
3,483	249,363	19 01	NOV 20, 1974	
3,500	249,386	19 02	NOV 20, 1974	
3,517	249,386	19 03	NOV 20, 1974	
3,533	249,386	19 04	NOV 20, 1974	
3,550	249,431	19 05	NOV 20, 1974	
3,566	249,431	19 06	NOV 20, 1974	
3,583	249,454	19 07	NOV 20, 1974	
3,599	249,477	19 08	NOV 20, 1974	
3,616	249,523	19 09	NOV 20, 1974	
3,632	249,500	19 10	NOV 20, 1974	
3,649	249,546	19 11	NOV 20, 1974	
3,665	249,614	19 12	NOV 20, 1974	
3,682	249,637	19 13	NOV 20, 1974	
3,698	249,614	19 14	NOV 20, 1974	
3,715	249,614	19 15	NOV 20, 1974	
3,731	249,637	19 16	NOV 20, 1974	
3,748	249,683	19 17	NOV 20, 1974	
3,764	249,706	19 18	NOV 20, 1974	
3,781	249,706	19 19	NOV 20, 1974	
3,797	249,752	19 20	NOV 20, 1974	
3,814	249,729	19 21	NOV 20, 1974	
3,830	249,797	19 22	NOV 20, 1974	
3,847	249,752	19 23	NOV 20, 1974	
3,863	249,752	19 24	NOV 20, 1974	
3,880	249,774	19 25	NOV 20, 1974	
3,896	249,843	19 26	NOV 20, 1974	
3,913	249,843	19 27	NOV 20, 1974	
3,929	249,843	19 28	NOV 20, 1974	
3,946	249,843	19 29	NOV 20, 1974	

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204 RUN NO. 5 DST NO. 8

DATE OF RU
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SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
3.962	249.889	19 30	NOV 20, 1974	
3.979	249.889	19 31	NOV 20, 1974	
3.995	249.980	19 32	NOV 20, 1974	
4.012	249.889	19 33	NOV 20, 1974	
4.028	249.935	19 34	NOV 20, 1974	
4.045	249.980	19 35	NOV 20, 1974	
4.061	250.026	19 36	NOV 20, 1974	
4.078	250.026	19 37	NOV 20, 1974	
4.094	250.026	19 38	NOV 20, 1974	
4.111	249.980	19 39	NOV 20, 1974	
4.127	250.026	19 40	NOV 20, 1974	
4.144	250.049	19 41	NOV 20, 1974	
4.160	250.049	19 42	NOV 20, 1974	
4.177	250.026	19 43	NOV 20, 1974	
4.193	250.049	19 44	NOV 20, 1974	
4.210	250.095	19 45	NOV 20, 1974	
4.226	250.095	19 46	NOV 20, 1974	
4.243	250.072	19 47	NOV 20, 1974	
4.259	250.118	19 48	NOV 20, 1974	
4.276	250.140	19 49	NOV 20, 1974	
4.292	250.140	19 50	NOV 20, 1974	
4.309	250.140	19 51	NOV 20, 1974	
4.325	250.140	19 52	NOV 20, 1974	
4.342	250.163	19 53	NOV 20, 1974	
4.358	250.163	19 54	NOV 20, 1974	
4.375	250.163	19 55	NOV 20, 1974	
4.392	250.163	19 55	NOV 20, 1974	
4.408	250.209	19 56	NOV 20, 1974	
4.425	250.209	19 57	NOV 20, 1974	
4.441	250.209	19 58	NOV 20, 1974	
4.458	250.209	19 59	NOV 20, 1974	
4.474	250.232	20 00	NOV 20, 1974	
4.491	250.255	20 01	NOV 20, 1974	
4.507	250.255	20 02	NOV 20, 1974	
4.524	250.255	20 03	NOV 20, 1974	
4.540	250.278	20 04	NOV 20, 1974	
4.557	250.301	20 05	NOV 20, 1974	
4.573	250.301	20 06	NOV 20, 1974	
4.590	250.301	20 07	NOV 20, 1974	
4.606	250.301	20 08	NOV 20, 1974	

START 2.5 GPM
DOWN DP

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204 RUN NO. 5 DST NO. 8

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PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
4.623	250.323	20 09	NOV 20, 1974	
4.639	250.323	20 10	NOV 20, 1974	
4.656	250.369	20 11	NOV 20, 1974	
4.672	250.415	20 12	NOV 20, 1974	
4.689	250.415	20 13	NOV 20, 1974	
4.705	250.438	20 14	NOV 20, 1974	
4.722	250.461	20 15	NOV 20, 1974	
4.738	250.483	20 16	NOV 20, 1974	
4.755	250.483	20 17	NOV 20, 1974	
4.771	250.483	20 18	NOV 20, 1974	
4.788	250.529	20 19	NOV 20, 1974	START 5 GPM
4.804	250.575	20 20	NOV 20, 1974	DOWN DP
4.821	250.575	20 21	NOV 20, 1974	
4.837	250.575	20 22	NOV 20, 1974	
4.854	250.598	20 23	NOV 20, 1974	
4.870	250.621	20 24	NOV 20, 1974	
4.887	250.644	20 25	NOV 20, 1974	
4.903	250.689	20 26	NOV 20, 1974	
4.920	250.735	20 27	NOV 20, 1974	
4.936	250.758	20 28	NOV 20, 1974	
4.953	250.758	20 29	NOV 20, 1974	
4.969	250.758	20 30	NOV 20, 1974	
4.986	250.827	20 31	NOV 20, 1974	
5.002	250.849	20 32	NOV 20, 1974	
5.019	250.849	20 33	NOV 20, 1974	START 10 GPM
5.035	250.872	20 34	NOV 20, 1974	DOWN DP
5.052	250.895	20 35	NOV 20, 1974	
5.068	250.941	20 36	NOV 20, 1974	
5.085	250.964	20 37	NOV 20, 1974	
5.101	250.987	20 38	NOV 20, 1974	
5.118	251.010	20 39	NOV 20, 1974	
5.134	251.078	20 40	NOV 20, 1974	
5.151	251.101	20 41	NOV 20, 1974	
5.167	251.124	20 42	NOV 20, 1974	
5.184	251.170	20 43	NOV 20, 1974	
5.200	251.238	20 44	NOV 20, 1974	
5.217	251.238	20 45	NOV 20, 1974	
5.233	251.307	20 46	NOV 20, 1974	
5.250	251.353	20 47	NOV 20, 1974	
5.267	251.398	20 48	NOV 20, 1974	START 20 GPM

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SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
5,283	251,444	20 49	NOV 20,1974	DOWN DP
5,300	251,444	20 50	NOV 20,1974	
5,316	251,490	20 51	NOV 20,1974	
5,333	251,559	20 52	NOV 20,1974	
5,349	251,604	20 53	NOV 20,1974	
5,366	251,673	20 54	NOV 20,1974	
5,382	251,696	20 55	NOV 20,1974	
5,399	251,787	20 56	NOV 20,1974	
5,415	251,810	20 57	NOV 20,1974	
5,432	251,856	20 58	NOV 20,1974	
5,448	251,879	20 59	NOV 20,1974	
5,465	251,993	21 00	NOV 20,1974	
5,481	252,016	21 01	NOV 20,1974	
5,498	252,085	21 02	NOV 20,1974	START 21 GPM
5,514	252,130	21 03	NOV 20,1974	DOWN DP
5,531	252,176	21 04	NOV 20,1974	
5,547	252,222	21 05	NOV 20,1974	
5,564	252,268	21 06	NOV 20,1974	
5,580	252,336	21 07	NOV 20,1974	
5,597	252,428	21 08	NOV 20,1974	
5,613	252,428	21 09	NOV 20,1974	
5,630	252,473	21 10	NOV 20,1974	
5,646	252,542	21 11	NOV 20,1974	
5,663	252,656	21 12	NOV 20,1974	
5,679	252,702	21 13	NOV 20,1974	
5,696	252,748	21 14	NOV 20,1974	
5,712	252,839	21 15	NOV 20,1974	
5,729	252,931	21 16	NOV 20,1974	
5,745	252,977	21 17	NOV 20,1974	DP FILLED
5,762	253,022	21 18	NOV 20,1974	START DECLINE
5,778	253,068	21 19	NOV 20,1974	
5,795	253,114	21 20	NOV 20,1974	
5,811	253,137	21 21	NOV 20,1974	
5,828	253,137	21 22	NOV 20,1974	
5,844	253,160	21 23	NOV 20,1974	
5,861	253,182	21 24	NOV 20,1974	
5,877	253,137	21 25	NOV 20,1974	
5,894	253,114	21 26	NOV 20,1974	
5,910	253,114	21 27	NOV 20,1974	
5,927	253,091	21 28	NOV 20,1974	

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204 RUN NO. 5 DST NO. 8

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SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
5,943	253,045	21 29	NOV 20,1974	
5,960	252,999	21 30	NOV 20,1974	
5,976	252,977	21 31	NOV 20,1974	
5,993	252,954	21 32	NOV 20,1974	
6,009	252,885	21 33	NOV 20,1974	
6,026	252,839	21 34	NOV 20,1974	
6,042	252,817	21 35	NOV 20,1974	
6,059	252,771	21 36	NOV 20,1974	
6,075	252,725	21 37	NOV 20,1974	
6,092	252,679	21 38	NOV 20,1974	
6,108	252,634	21 39	NOV 20,1974	
6,125	252,611	21 40	NOV 20,1974	
6,142	252,565	21 40	NOV 20,1974	
6,158	252,519	21 41	NOV 20,1974	
6,175	252,496	21 42	NOV 20,1974	
6,191	252,473	21 43	NOV 20,1974	
6,208	252,428	21 44	NOV 20,1974	
6,224	252,359	21 45	NOV 20,1974	
6,241	252,359	21 46	NOV 20,1974	
6,257	252,359	21 47	NOV 20,1974	
6,274	252,634	21 48	NOV 20,1974	START 20 GPM
6,290	247,922	21 49	NOV 20,1974	DOWN ANNULUS
6,307	256,522	21 50	NOV 20,1974	
6,323	257,871	21 51	NOV 20,1974	
6,340	258,946	21 52	NOV 20,1974	
6,356	260,021	21 53	NOV 20,1974	
6,373	260,913	21 54	NOV 20,1974	
6,389	261,737	21 55	NOV 20,1974	
6,406	262,492	21 56	NOV 20,1974	
6,422	263,247	21 57	NOV 20,1974	
6,439	263,910	21 58	NOV 20,1974	
6,455	264,436	21 59	NOV 20,1974	
6,472	265,076	22 00	NOV 20,1974	
6,488	265,580	22 01	NOV 20,1974	
6,505	266,197	22 02	NOV 20,1974	START 40 GPM
6,521	269,468	22 03	NOV 20,1974	DOWN ANNULUS
6,538	272,647	22 04	NOV 20,1974	
6,554	275,461	22 05	NOV 20,1974	
6,571	278,160	22 06	NOV 20,1974	
6,587	280,927	22 07	NOV 20,1974	

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204 RUN NO. 5 DST NO. 8

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SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
6,604	283,329	22 08	NOV 20,1974	
6,620	285,433	22 09	NOV 20,1974	
6,637	287,560	22 10	NOV 20,1974	
6,653	289,802	22 11	NOV 20,1974	
6,670	291,746	22 12	NOV 20,1974	
6,686	293,622	22 13	NOV 20,1974	
6,703	295,429	22 14	NOV 20,1974	
6,719	297,121	22 15	NOV 20,1974	
6,736	298,791	22 16	NOV 20,1974	
6,752	301,353	22 17	NOV 20,1974	START 55 GPM
6,769	304,372	22 18	NOV 20,1974	DOWN ANNULUS
6,785	307,666	22 19	NOV 20,1974	
6,802	310,593	22 20	NOV 20,1974	
6,818	313,361	22 21	NOV 20,1974	
6,835	316,632	22 22	NOV 20,1974	
6,851	320,589	22 23	NOV 20,1974	
6,868	323,745	22 24	NOV 20,1974	
6,884	326,558	22 25	NOV 20,1974	
6,901	329,280	22 26	NOV 20,1974	
6,917	331,911	22 27	NOV 20,1974	
6,934	334,587	22 28	NOV 20,1974	
6,950	335,730	22 29	NOV 20,1974	
6,967	337,743	22 30	NOV 20,1974	
6,983	340,328	22 31	NOV 20,1974	
7,000	341,929	22 32	NOV 20,1974	END INJECTION

II B-525

425 POINTS REPORTED THIS RUN

JOHNSTON

Schlumberger

technical
report


JOHNSTON
...found a better way
SURFACE INFORMATION

Description (Rate of Flow)	Time	Pressure (P.S.I.G.)	Surface Choke
Opened Tool	0658	-	-
CLOSED FOR INITIAL SHUT-IN	0659	-	-
FINISHED SHUT-IN	0729	-	-
RE-OPENED TOOL	0738	-	-
STARTED JETTING AIR	1007	-	-
STOPPED JETTING AIR	1107	-	-
STARTED INJECTING WATER AT 2 GAL/MIN	1236	-	-
STOPPED INJECTING	1251	-	-
STARTED INJECTING WATER AT 5 GAL/MIN	1259	-	-
STOPPED INJECTING	1314	-	-
STARTED INJECTING WATER AT 10 GAL/MIN	1316	-	-
STOPPED INJECTING	1331	-	-
STARTED INJECTING WATER AT 20 GAL/MIN	1338	-	-
STOPPED INJECTING	1348	-	-
STARTED INJECTING WATER AT 20 GAL/MIN	1352	-	-
STOPPED INJECTING	1407	-	-
CLOSED FOR FINAL SHUT-IN	1538	-	-
FINISHED SHUT-IN	1553	-	-
PULLED PACKER LOOSE	1553	-	-

Cushion Type	Amount	Pressure	Bottom Choke
-	-	-	Size 3/4"

MUD DATA

Mud Type	WATER FOAM	WI.	-
Viscosity	-	Water Loss	- C.C.
Resist. of Mud	- @ - °F.	of Filtrate	- @ - °F.
Chloride Content	-		PPM

EQUIPMENT & HOLE DATA

Type Test	M.F.E. OPEN HOLE
Formation Tested	GREEN RIVER
Elevation	7036 Ft.
Net Productive Interval	50 Ft.
Estimated Porosity	- %
All Depths Measured From	GROUND LEVEL
Total Depth	1166' Ft.
Main Hole/Casing Size	6 3/4"
Rat Hole/Liner Size	-
Drill Collar Length	297' I.D. -
Drill Pipe Length	770' I.D. -
Packer Depth(s)	1111 & 1116 Ft.

**MULTI-FLOW EVALUATOR
FLUID SAMPLE DATA**

Sampler Pressure	P.S.I.G. at Surface
Recovery: Cu. Ft. Gas	
cc. Oil	
cc. Water	
cc. Mud	
Tot. Liquid cc.	
Gravity	°API @ °F.
Gos/Oil Ratio	cu. ft./bbl.

RESISTIVITY**CHLORIDE
CONTENT**

Recovery Water	@ °F.	ppm
Recovery Mud	@ °F.	
Recovery Mud Filtrate	@ °F.	ppm
Mud Pit Sample	@ °F.	
Mud Pit Sample Filtrate	@ °F.	ppm

RECOVERY DESCRIPTION	FEET	BARRELS	% OIL	% WATER	% OTHERS	API GRAVITY	RESISTIVITY	CHL. PPM
-						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	

Remarks:

Address 1500 SECURITY LIFE BUILDING, 1600 GLENARM; DENVER, COLORADO 80202

Company ATLANTIC - RICHFIELD COMPANY Field SORGHUM GULCH

Well FEDERAL S.G. #17 Location 436'FWL 181'FSL SEC.16-3S-96W

Test Interval 1116' TO 1166' Test # 9 Date 11-22-74

County RIO BLANCO State COLORADO II B-527

Technician TAYLOR (VERNAL) Test Approved By MR. BERLHEISER, JR.

Field Report No. 06019 C

No. Reports Requested 15(14x)



PRESSURE DATA

Instrument No.	AK-1-5009				
Capacity (P.S.I.G.)	1500				
Instrument Depth	1132'				
Instrument Opening	INSIDE				
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.	93				
Initial Hydrastatic Mud	A				
Initial Shut-in	B				
Initial Flow	C				
Final Flow	D				
Final Shut-in	E				
Final Hydrastatic Mud	F				

Field Report No. 06019 C

TIME DATA

Time Given	Time Computed
Mins.	Mins.
Mins.	Mins.
Mins.	Mins.
Mins.	Mins.
Mins.	Mins.
Mins.	Mins.

Remarks:

*Shut in pressure did not reach static reservoir pressure.

Clack Travel 0.00662 inches per min.

PRESSURE INCREMENTS

POINTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
1	275.3		4 0	125.6		16	282.1	
2	283.2		1	262.4		17	282.5	
3	101.5		2	275.3		18	282.5	
4	125.6		3	279.8		19	282.5	
5	283.2		4	281.3		20	282.5	
6	283.6		5	282.1		21	282.5	
7	169.5		6	282.1		22	282.5	
8	285.9		7	282.5		23	282.8	
9	321.4		8	282.5		24	282.8	
10	263.6		9	282.5		25	282.8	
11	258.3		10	282.8		30	283.2	
12	242.8		15	282.8		35	283.6	
13	286.2		20	282.8		40	283.6	
14	290.0		25	283.2		45	283.6	
15	287.4		5 30	283.2		50	284.0	
16	295.7					55	284.4	
17	292.3		7 0	169.5		60	284.4	
18	322.5		1	186.9		65	284.4	
19	312.7		2	206.1		70	284.7	
20	402.3		3	219.0		75	284.7	
21	368.3		4	233.0		80	284.7	
22	475.2		5	243.5		85	284.7	
23	291.5		6	251.5		90	284.7	
			7	259.4		95	284.7	
			8	265.1		100	285.5	
			9	270.4		110	285.5	
			10	273.8		120	285.5	
			11	276.4		130	285.5	
			12	278.7		140	285.5	
			13	279.8		8 148	285.9	
			14	281.0		9 149	321.4	
			15	281.7				

II B-528

CONTINUED

PRESSURE DATA

Instrument No.	AK-1-5009			Field Report No. 06019 C	
Capacity (P.S.I.G.)					
Instrument Depth					
Instrument Opening					
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.					
				TIME DATA	
Initial Hydrostatic Mud	A			Time Given	Time Computed
Initial Shut-in	B			Mins.	Mins.
Initial Flow	C			Mins.	Mins.
				Mins.	Mins.
				Mins.	Mins.
Final Flow	D			Mins.	Mins.
Final Shut-in	E			Mins.	Mins.
Final Hydrostatic Mud	F			Mins.	Mins.

Remarks:

*Shut in pressure did not reach static reservoir pressure.

Clock Travel

inches per min.

PRESSURE INCREMENTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
150	289.6		60	286.2		46	315.3	
10 151	263.6		65	286.2		48	318.0	
160	259.8		70	286.2		50	320.6	
170	259.0		75	286.2		18 52	322.5	
180	259.4		80	286.2		19 53	312.7	
190	259.4		85	286.2		54	313.8	
200	258.7		90	286.2		56	330.8	
11 208	258.3		13 92	286.2		58	346.7	
12 210	242.8		2	288.5		60	359.9	
1	259.4		4	288.9		62	370.9	
2	267.4		6	289.3		64	381.9	
3	272.3		8	289.6		66	392.1	
4	276.8		10	290.0		68	402.3	
5	279.1		12	290.0		20 69	402.3	
6	279.4		14 14	290.0		70	386.0	
7	280.6		16	288.5		21 72	368.3	
8	282.1		18	287.8		74	446.5	
9	282.8		20	287.4		76	459.3	
10	283.2		15 22	287.4		78	465.8	
11	283.6		24	290.8		80	469.2	
12	284.0		26	292.7		82	472.2	
13	284.0		28	293.4		84	473.3	
14	284.4		30	294.6		86	474.8	
15	284.7		32	295.3		22 87	475.2	
20	285.1		34	295.7		88	463.5	
25	285.1		16 35	295.7		90	443.1	
30	285.5		36	295.3		92	425.7	
35	285.5		17 37	292.3	II B-529	94	410.2	
40	285.9		38	293.4		96	396.6	
45	285.9		40	302.9		98	384.1	
50	285.9		42	308.5		100	373.2	
55	285.9		44	312.3		CONTINUED		



PRESSURE DATA

Instrument No.	AK-1-5009			Field Report No. 06019 C	
Capacity (P.S.I.G.)					
Instrument Depth					
Instrument Opening					
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.					
				TIME DATA	
Initial Hydrostatic Mud	A			Time Given	Time Computed
Initial Shut-in	B			Mins.	Mins.
Initial Flow	C			Mins.	Mins.
				Mins.	Mins.
				Mins.	Mins.
Final Flow	D			Mins.	Mins.
Final Shut-in	E			Mins.	Mins.
Final Hydrostatic Mud	F			Mins.	Mins.
Remarks:					

*Shut in pressure did not reach static reservoir pressure.

Clock Travel _____ inches per min.

PRESSURE INCREMENTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
102	363.3		166	291.2				
104	355.0		168	291.2				
106	346.7		170	291.2				
108	339.2		172	291.5				
110	332.7		174	291.5				
112	327.0		176	291.5				
114	322.1		178	291.5				
116	317.6		23 179	291.5				
118	313.5		CLOCK STOPPED AT THIS POINT.					
120	310.4							
122	307.0							
124	304.4							
126	302.1							
128	300.2							
130	298.3							
132	296.8							
134	295.7							
136	294.6							
138	293.4							
140	292.7							
142	292.7							
144	291.9							
146	291.9							
148	291.5							
150	291.2							
152	291.2							
154	291.2							
156	291.2							
158	291.2							
160	291.2							
162	291.2							
164	291.2							

II B-530

PRESSURE DATA

Instrument No.	AK-1-5010			Field Report No. 06019 C	
Capacity (P.S.I.G.)	1600				
Instrument Depth	1177'				
Instrument Opening	OUTSIDE				
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.	93			TIME DATA	
Initial Hydrostatic Mud	A			Time Given	Time Computed
Initial Shut-in	B			Mins.	Mins.
Initial Flow	C			Mins.	Mins.
				Mins.	Mins.
				Mins.	Mins.
Final Flow	D			Mins.	Mins.
Final Shut-in	E			Mins.	Mins.
Final Hydrostatic Mud	F			Mins.	Mins.

Remarks:

*Shut in pressure did not reach static reservoir pressure.

Clock Travel 0.00343

inches per min.

PRESSURE INCREMENTS**POINTS**

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
1	291.9		4	0	152.3	16	297.9	
2	298.7		1	288.7		17	297.9	
3	145.5		2	293.9		18	297.9	
4	152.3		3	296.7		19	298.3	
5	299.1		4	297.5		20	298.3	
6	299.5		5	297.9		21	298.7	
7	202.3		6	298.3		22	298.7	
8	301.2		7	298.3		23	298.7	
9	333.2		8	298.7		24	299.1	
10	281.9		9	298.7		25	299.1	
11	274.7		10	298.7		30	299.1	
12	260.7		15	298.7		35	299.5	
13	301.6		20	299.1		40	299.5	
14	304.8		25	299.1		45	299.5	
15	302.8		5	30	299.1	50	299.9	
16	310.8					55	299.9	
17	308.4		7	0	202.3	60	299.9	
18	336.4		1	213.9		65	299.9	
19	327.6		2	224.7		70	300.3	
20	414.0		3	247.1		75	300.3	
21	382.4		4	255.9		80	300.3	
22	488.0		5	265.1		85	300.3	
23	306.4		6	270.3		90	300.3	
24	307.2		7	280.3		95	300.8	
25	304.4		8	280.7		100	300.8	
			9	287.5		110	300.8	
			10	289.9		120	301.2	
			11	293.1		130	301.2	
			12	295.5		140	301.2	
			13	296.3		8	148	301.2
			14	297.1		9	149	333.2

II B-531



PRESSURE DATA

Instrument No.	AK-1-5010			
Capacity (P.S.I.G.)	.			
Instrument Depth				
Instrument Opening				
Pressure Gradient P.S.I./Ft.				
Well Temperature °F.				
Initial Hydrostatic Mud	A			
Initial Shut-in	B			
Initial Flow	C			
Final Flow	D			
Final Shut-in	E			
Final Hydrastatic Mud	F			

Field Report No. 06019 C

TIME DATA

Time Given	Time Computed
Mins.	Mins.
Mins.	Mins.
Mins.	Mins.
Mins.	Mins.
Mins.	Mins.
Mins.	Mins.

Remarks:

*Shut in pressure did not reach static reservoir pressure.

Clock Travel _____ inches per min.

PRESSURE INCREMENTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
150	309.2		60	301.2		46	329.6	
10 151	281.9		65	301.2		48	332.0	
160	276.0		70	301.2		50	334.8	
170	275.1		75	301.2		18 52	336.4	
180	275.5		80	301.2		19 53	327.6	
190	275.5		85	301.6		54	332.4	
200	275.1		90	301.6		56	348.0	
11 208	274.7		13 92	301.6		58	360.4	
12 210	260.7		2	303.6		60	373.2	
1	276.3		4	304.0		62	384.0	
2	282.3		6	304.4		64	394.8	
3	289.1		8	304.8		66	404.0	
4	291.5		10	304.8		68	413.2	
5	293.9		12	304.8		20 69	414.0	
6	294.3		14 14	304.8		70	398.8	
7	295.5		16	304.0		21 72	382.4	
8	296.7		18	303.2		74	434.4	
9	297.5		20	302.8		76	469.6	
10	298.3		15 22	302.8		78	478.0	
11	298.7		24	306.0		80	481.6	
12	299.1		26	307.6		82	484.0	
13	299.1		28	308.8		84	486.0	
14	299.5		30	310.0		86	487.2	
15	299.5		32	310.4		22 87	488.0	
20	299.5		34	310.8		88	482.8	
25	299.9		16 35	310.8		90	462.4	
30	300.3		36	310.0		92	446.0	
35	300.8		17 37	308.4	II B-532	94	428.0	
40	300.8		38	310.4		96	414.0	
45	300.8		40	318.4		98	400.4	
50	300.8		42	323.6		100	389.6	
55	300.8		44	326.8				

CONTINUED



PRESSURE DATA

Instrument No.	AK-1-5010			Field Report No. 06019 C	
Capacity (P.S.I.G.)					
Instrument Depth					
Instrument Opening					
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.					
				TIME DATA	
Initial Hydrostatic Mud	A			Time Given	Time Computed
Initial Shut-in	B			Mins.	Mins.
Initial Flow	C			Mins.	Mins.
				Mins.	Mins.
				Mins.	Mins.
Final Flow	D			Mins.	Mins.
Final Shut-in	E			Mins.	Mins.
Final Hydrostatic Mud	F			Mins.	Mins.
Remarks:					

* Shut in pressure did not reach static reservoir pressure.

Clock Travel _____ inches per min.

PRESSURE INCREMENTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
102	381.2		166	306.4				
104	372.0		168	306.4				
106	363.6		170	306.4				
108	355.6		172	306.4				
110	348.8		174	306.4				
112	342.8		176	306.4				
114	337.6		178	306.4				
116	333.6		23 179	306.4				
118	329.6		180	354.0				
120	325.6		182	315.6				
122	322.4		184	310.4				
124	319.6		186	308.8				
126	317.2		188	308.0				
128	314.8		190	307.6				
130	313.2		192	307.2				
132	312.0		194	307.2				
134	310.4		24 195	307.2				
136	309.2							
138	308.4							
140	307.6							
142	307.2							
144	307.2							
146	306.8							
148	306.8							
150	306.4							
152	306.4							
154	306.4							
156	306.4							
158	306.4							
160	306.4							
162	306.4							
164	306.4							

6001



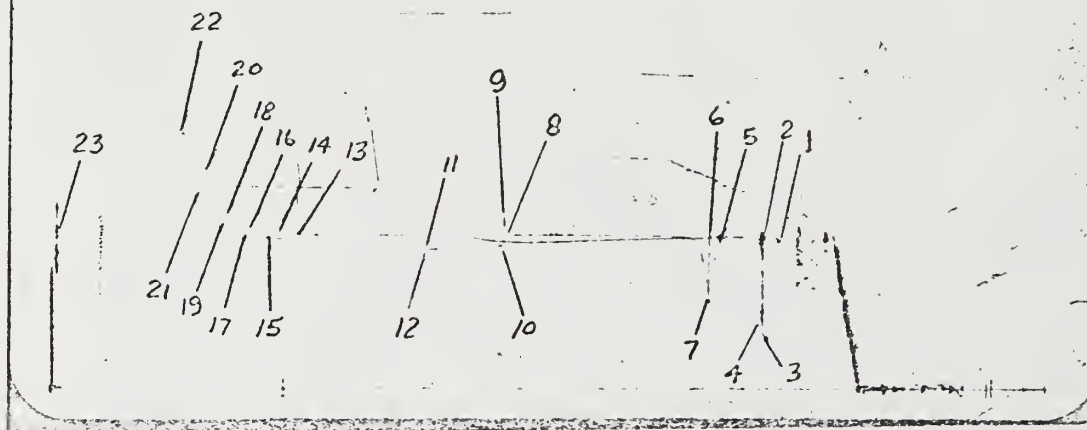
FIELD REPORT NO.

RECORDER NO.

06019 C
CAPACITYAK-1-5009
REPORTS REQUESTED

1500#

15+



01C



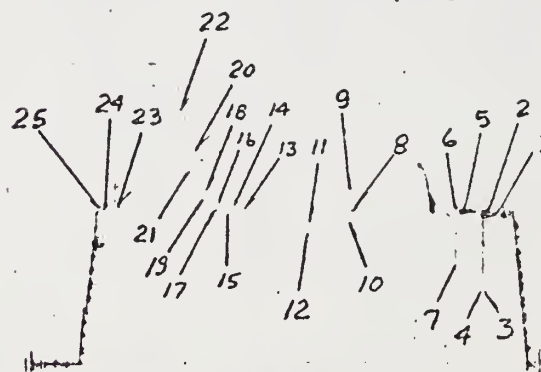
FIELD REPORT NO.

RECORDER NO.

06019 C
CAPACITYAK-1-5010
REPORTS REQUESTED

1600#

15+



SPERRY-SUN



128
DEC 16 1974

A. L. ROGERS

POST OFFICE BOX 36363 HOUSTON, TEXAS 77036 (713) 494-3021

J. A. Fouché
President

December 13, 1974

Mr. Frederick R. Scheerer
Atlantic Richfield Company
1500 Security Life Building
Denver, Colorado 80202

Dear Sir:

Enclosed is the original of our Precision Pressure Gauge Drill Stem Test Job SPG-11210-F performed on your Federal SG-17 Well, Tract C-b, Piceance Creek Basin, Sorghum Gulch, Rio Blanco County, Colorado on November 22, 1974. Test interval was 1116 feet (Packer Set) to 1166 feet (TD) with one gauge inside the annulus above the packer and one gauge inside the drill pipe below the packer.

Also enclosed are the charts for gauge numbers 196 and 204 with Field Data Sheet.

Distribution is being made according to the attached mailing list.

Thank you for this opportunity to be of service.

Very truly yours,

Carl Kisinger, Jr.

Carl Kisinger, Jr.
Manager, Pressure Services

CK:tk
Enclosures

1116-1166

PRESSURE GAUGE DRILL STEM TEST SHEET

Job No. SPR-11210 F Date 11/22/74 Run DST # 9 Office Casper
 Customer Arco ET AL Location Sorghum Gulch
 State Colorado County/~~Parish~~ Rio Blanco
 Well Sorghum Gulch No. 17 Field Tract C-b

USE MILITARY TIME FOR ALL TIMES

	Time	Date	Time	Date	Time Charged
Arrive: Well/Dock	1. <u>0200</u>	<u>11/22</u>	2. _____	_____	
Depart: Well/Dock	1. <u>1830</u>	<u>11/22</u>	2. _____	_____	<u>16 1/2</u> Hrs.
Gauge Start in Hole	1. <u>0537</u>	<u>11/22</u>	2. _____	_____	
Gauge Out of Hole	1. <u>1750</u>	<u>11/22</u>	2. _____	_____	<u>12 1/2</u> Hrs.
No. Trips	<u>1</u>	Miles	<u>4.5</u>	Total Mileage	<u>90</u>

 Top Gauge # 204 Element # 32761 Range 1000 Time Mode 1 MIN
 Btm. Gauge # 176 Element # 30951 Range 1000 Time Mode 1 MIN
 Type Tool J-Boxton Hyd Test Depth 1116-1166 Zero Point RL
 Packer Depth 1116 Tail Pipe Depth 1166 Top Gauge Depth 1081.85
 Bottom Hole Temp. 93 F Atmos. Temp. 42 F Bottom Gauge Depth 1151.00

TIME INFORMATION

Time Date

On Bottom	<u>0647</u>	<u>11/22/74</u>
Packer Set	<u>0649</u>	<u>11/22/74</u>
Initial Open	<u>0658</u>	<u>11/22/74</u>
Initial Shut-In	<u>0254</u>	<u>11/22/74</u>
Start Flow	<u>0738</u>	<u>11/22/74</u>
Final Shut-In	<u>1537</u>	<u>11/22/74</u>
Packer Unseated	<u>1553</u>	<u>11/22/74</u>

PRESSURE INFORMATION

Initial Hydrostatic Mud	_____
Initial Draw Down	_____
Initial Build-Up	_____
Final Flow	_____
Final Build-Up	_____
Final Hydrostatic Mud	_____
Mud Weight	_____

TIME OF SURFACE NULLS

Top Gauge	<u>204</u>	Start <u>0502.26</u>	End <u>1723.10</u>	Bottom Gauge	<u>176</u>	Start <u>0422.35</u>	End <u>1742.50</u>
Remarks <u>Times taken from Star Recorder (KB 7' above RL)</u> <u>15 nulls add at start.</u>							

JOB NUMBER
SPG-11210-F

DATE OF JOB
11-22-74

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

PREPARED FOR

ATLANTIC RICHFIELD COMPANY

WELL NUMBER FEDERAL SG-17
FIELD/LEASE TRACT C-B SORGHUM GULCH
COUNTY/PARISH RIO BLANCO
STATE COLORADO
TYPE OF TEST DRILL STEM
REFERENCE ELEV GROUND LEVEL

ADDITIONAL INFORMATION

USED GAUGE NO. 196 WITH 1000 LB. ELEMENT

GAUGE DEPTH IS 1151.08 FEET INSIDE DP

GROUND LEVEL REFERENCE IS 7036 FEET

INITIAL HYDROSTATIC IS 288.22

FINAL HYDROSTATIC 301.14

TEST INTERVAL IS FROM 1116 FEET

(PACKER DEPTH) TO 1166 (TD)

INSIDE DP

II B-537

506 POINTS REPORTED THIS JOB

PAGE 1 OF 14 PAGES

JGS NUMBER
SPG-11210-F

DATE OF
11-22

GAUGE/RUN NUMBER
196 RUN NO. 6 DST NO. 9

DATE OF
12-9

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0.000	193.241	06 59	NOV 22, 1974	START INITIAL
.016	252.280	07 00	NOV 22, 1974	SHUT-IN
.031	227.851	07 01	NOV 22, 1974	
.047	233.013	07 02	NOV 22, 1974	
.063	246.905	07 03	NOV 22, 1974	
.078	252.875	07 04	NOV 22, 1974	
.094	254.730	07 05	NOV 22, 1974	
.109	255.230	07 06	NOV 22, 1974	
.125	255.515	07 07	NOV 22, 1974	
.141	255.634	07 07	NOV 22, 1974	
.156	255.729	07 08	NOV 22, 1974	
.172	255.729	07 09	NOV 22, 1974	
.188	255.825	07 10	NOV 22, 1974	
.203	255.825	07 11	NOV 22, 1974	
.219	255.848	07 12	NOV 22, 1974	
.234	255.872	07 13	NOV 22, 1974	
.250	255.944	07 14	NOV 22, 1974	
.266	255.967	07 15	NOV 22, 1974	
.281	255.967	07 16	NOV 22, 1974	
.297	255.991	07 17	NOV 22, 1974	
.313	256.015	07 18	NOV 22, 1974	
.328	256.062	07 19	NOV 22, 1974	
.344	256.110	07 20	NOV 22, 1974	
.359	256.086	07 21	NOV 22, 1974	
.375	256.086	07 22	NOV 22, 1974	
.391	256.110	07 22	NOV 22, 1974	
.406	256.110	07 23	NOV 22, 1974	
.422	256.158	07 24	NOV 22, 1974	
.433	256.158	07 25	NOV 22, 1974	
.453	256.158	07 26	NOV 22, 1974	
.469	256.181	07 27	NOV 22, 1974	
.484	256.181	07 28	NOV 22, 1974	
.500	256.229	07 29	NOV 22, 1974	END SHUT-IN

II B-538

33 POINTS REPORTED THIS RUN

JOB NUMBER
SPG-11210-F

DATE OF JOB
11-22-74

GAUGE/RUN NUMBER
196 RUN NO, 6 DST NO, 9

DATE OF RUN
12-10-74

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0,000	228,946	07 38	NOV 22,1974	START FLOW
,016	221,429	07 39	NOV 22,1974	
,033	236,438	07 40	NOV 22,1974	
,049	249,973	07 41	NOV 22,1974	
,065	261,724	07 42	NOV 22,1974	
,082	272,071	07 43	NOV 22,1974	
,098	281,110	07 44	NOV 22,1974	
,114	288,436	07 45	NOV 22,1974	
,131	294,454	07 46	NOV 22,1974	
,147	299,426	07 47	NOV 22,1974	
,163	303,113	07 48	NOV 22,1974	
,180	305,872	07 49	NOV 22,1974	
,196	307,775	07 50	NOV 22,1974	
,212	309,036	07 51	NOV 22,1974	
,229	309,868	07 52	NOV 22,1974	
,245	310,344	07 53	NOV 22,1974	
,261	310,701	07 54	NOV 22,1974	
,278	310,962	07 55	NOV 22,1974	
,294	311,153	07 56	NOV 22,1974	
,310	311,295	07 57	NOV 22,1974	
,327	311,343	07 58	NOV 22,1974	
,343	311,391	07 59	NOV 22,1974	
,359	311,533	08 00	NOV 22,1974	
,376	311,581	08 01	NOV 22,1974	
,392	311,628	08 02	NOV 22,1974	
,408	311,676	08 03	NOV 22,1974	
,425	311,700	08 03	NOV 22,1974	
,441	311,795	08 04	NOV 22,1974	
,457	311,819	08 05	NOV 22,1974	
,474	311,795	08 06	NOV 22,1974	
,490	311,747	08 07	NOV 22,1974	
,506	311,914	08 08	NOV 22,1974	
,523	311,938	08 09	NOV 22,1974	
,539	311,962	08 10	NOV 22,1974	
,555	311,985	08 11	NOV 22,1974	
,572	312,033	08 12	NOV 22,1974	
,588	312,033	08 13	NOV 22,1974	
,604	312,104	08 14	NOV 22,1974	
,621	312,080	08 15	NOV 22,1974	
,637	312,080	08 16	NOV 22,1974	

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.653	312.176	08 17	NOV 22, 1974	
.670	312.104	08 18	NOV 22, 1974	
.686	312.128	08 19	NOV 22, 1974	
.702	312.152	08 20	NOV 22, 1974	
.719	312.199	08 21	NOV 22, 1974	
.735	312.223	08 22	NOV 22, 1974	
.751	312.295	08 23	NOV 22, 1974	
.768	312.271	08 24	NOV 22, 1974	
.784	312.342	08 25	NOV 22, 1974	
.800	312.295	08 26	NOV 22, 1974	
.817	312.342	08 27	NOV 22, 1974	
.833	312.390	08 28	NOV 22, 1974	
.850	312.413	08 29	NOV 22, 1974	
.866	312.413	08 30	NOV 22, 1974	
.882	312.437	08 31	NOV 22, 1974	
.899	312.437	08 32	NOV 22, 1974	
.915	312.461	08 33	NOV 22, 1974	
.931	312.461	08 34	NOV 22, 1974	
.948	312.532	08 35	NOV 22, 1974	
.964	312.485	08 36	NOV 22, 1974	
.980	312.556	08 37	NOV 22, 1974	
.997	312.532	08 38	NOV 22, 1974	
1.013	312.580	08 39	NOV 22, 1974	
1.029	312.604	08 40	NOV 22, 1974	
1.046	312.628	08 41	NOV 22, 1974	
1.062	312.628	08 42	NOV 22, 1974	
1.078	312.628	08 43	NOV 22, 1974	
1.095	312.604	08 44	NOV 22, 1974	
1.111	312.675	08 45	NOV 22, 1974	
1.127	312.675	08 46	NOV 22, 1974	
1.144	312.675	08 47	NOV 22, 1974	
1.160	312.723	08 48	NOV 22, 1974	
1.176	312.746	08 49	NOV 22, 1974	
1.193	312.746	08 50	NOV 22, 1974	
1.209	312.770	08 51	NOV 22, 1974	
1.225	312.770	08 52	NOV 22, 1974	
1.242	312.770	08 52	NOV 22, 1974	
1.258	312.794	08 53	NOV 22, 1974	
1.274	312.842	08 54	NOV 22, 1974	
1.291	312.865	08 55	NOV 22, 1974	

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1,307	312,842	08 56	NOV 22,1974	
1,323	312,865	08 57	NOV 22,1974	
1,340	312,818	08 58	NOV 22,1974	
1,356	312,842	08 59	NOV 22,1974	
1,372	312,889	09 00	NOV 22,1974	
1,389	312,913	09 01	NOV 22,1974	
1,405	312,937	09 02	NOV 22,1974	
1,421	312,937	09 03	NOV 22,1974	
1,438	312,961	09 04	NOV 22,1974	
1,454	312,937	09 05	NOV 22,1974	
1,470	312,984	09 06	NOV 22,1974	
1,487	313,008	09 07	NOV 22,1974	
1,503	313,008	09 08	NOV 22,1974	
1,519	312,961	09 09	NOV 22,1974	
1,536	313,008	09 10	NOV 22,1974	
1,552	313,008	09 11	NOV 22,1974	
1,568	313,032	09 12	NOV 22,1974	
1,585	313,079	09 13	NOV 22,1974	
1,601	313,032	09 14	NOV 22,1974	
1,617	313,079	09 15	NOV 22,1974	
1,634	313,127	09 16	NOV 22,1974	
1,650	313,151	09 17	NOV 22,1974	
1,666	313,294	09 18	NOV 22,1974	
1,683	313,341	09 19	NOV 22,1974	
1,699	313,294	09 20	NOV 22,1974	
1,715	313,389	09 21	NOV 22,1974	
1,732	313,341	09 22	NOV 22,1974	
1,748	313,460	09 23	NOV 22,1974	
1,764	313,198	09 24	NOV 22,1974	
1,781	313,413	09 25	NOV 22,1974	
1,797	313,817	09 26	NOV 22,1974	
1,813	313,389	09 27	NOV 22,1974	
1,830	313,508	09 28	NOV 22,1974	
1,846	313,365	09 29	NOV 22,1974	
1,862	313,484	09 30	NOV 22,1974	
1,879	313,365	09 31	NOV 22,1974	
1,895	313,484	09 32	NOV 22,1974	
1,911	313,436	09 33	NOV 22,1974	
1,928	313,508	09 34	NOV 22,1974	
1,944	313,460	09 35	NOV 22,1974	

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1,960	313,389	09 36	NOV 22,1974	
1,977	313,389	09 37	NOV 22,1974	
1,993	313,460	09 38	NOV 22,1974	
2,009	313,413	09 39	NOV 22,1974	
2,026	313,389	09 40	NOV 22,1974	
2,042	313,484	09 41	NOV 22,1974	
2,058	313,389	09 42	NOV 22,1974	
2,075	313,341	09 42	NOV 22,1974	
2,091	313,365	09 43	NOV 22,1974	
2,107	313,413	09 44	NOV 22,1974	
2,124	313,413	09 45	NOV 22,1974	
2,140	313,436	09 46	NOV 22,1974	
2,156	313,436	09 47	NOV 22,1974	
2,173	313,508	09 48	NOV 22,1974	
2,189	313,508	09 49	NOV 22,1974	
2,205	313,508	09 50	NOV 22,1974	
2,222	313,531	09 51	NOV 22,1974	
2,238	313,531	09 52	NOV 22,1974	
2,254	313,531	09 53	NOV 22,1974	
2,271	313,579	09 54	NOV 22,1974	
2,287	313,579	09 55	NOV 22,1974	
2,303	313,555	09 56	NOV 22,1974	
2,320	313,555	09 57	NOV 22,1974	
2,336	313,555	09 58	NOV 22,1974	
2,352	313,555	09 59	NOV 22,1974	
2,369	313,579	10 00	NOV 22,1974	
2,385	314,221	10 01	NOV 22,1974	
2,401	313,769	10 02	NOV 22,1974	
2,418	313,722	10 03	NOV 22,1974	
2,434	313,603	10 04	NOV 22,1974	
2,450	313,698	10 05	NOV 22,1974	
2,467	333,703	10 06	NOV 22,1974	START AIR JET
2,483	337,794	10 07	NOV 22,1974	
2,500	313,841	10 08	NOV 22,1974	
2,516	293,455	10 09	NOV 22,1974	
2,532	292,242	10 10	NOV 22,1974	
2,549	297,119	10 11	NOV 22,1974	
2,565	290,815	10 12	NOV 22,1974	
2,581	285,939	10 13	NOV 22,1974	
2,598	286,272	10 14	NOV 22,1974	

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2,614	287,485	10 15	NOV 22,1974	
2,630	288,151	10 16	NOV 22,1974	
2,647	288,531	10 17	NOV 22,1974	
2,663	288,531	10 18	NOV 22,1974	
2,679	288,698	10 19	NOV 22,1974	
2,696	288,103	10 20	NOV 22,1974	
2,712	284,821	10 21	NOV 22,1974	
2,728	286,557	10 22	NOV 22,1974	
2,745	287,033	10 23	NOV 22,1974	
2,761	287,532	10 24	NOV 22,1974	
2,777	287,556	10 25	NOV 22,1974	
2,794	287,818	10 26	NOV 22,1974	
2,810	287,937	10 27	NOV 22,1974	
2,826	287,913	10 28	NOV 22,1974	
2,843	287,913	10 29	NOV 22,1974	
2,859	287,961	10 30	NOV 22,1974	
2,875	287,961	10 31	NOV 22,1974	
2,892	285,178	10 31	NOV 22,1974	
2,908	266,105	10 32	NOV 22,1974	
2,924	267,318	10 33	NOV 22,1974	
2,941	267,865	10 34	NOV 22,1974	
2,957	287,937	10 35	NOV 22,1974	
2,973	288,103	10 36	NOV 22,1974	
2,990	287,889	10 37	NOV 22,1974	
3,006	288,222	10 38	NOV 22,1974	
3,022	288,056	10 39	NOV 22,1974	
3,039	287,984	10 40	NOV 22,1974	
3,055	287,842	10 41	NOV 22,1974	
3,071	288,056	10 42	NOV 22,1974	
3,088	287,913	10 43	NOV 22,1974	
3,104	288,270	10 44	NOV 22,1974	
3,120	288,032	10 45	NOV 22,1974	
3,137	287,842	10 46	NOV 22,1974	
3,153	288,080	10 47	NOV 22,1974	
3,169	288,127	10 48	NOV 22,1974	
3,186	287,651	10 49	NOV 22,1974	
3,202	287,723	10 50	NOV 22,1974	
3,218	287,842	10 51	NOV 22,1974	
3,235	287,937	10 52	NOV 22,1974	
3,251	287,984	10 53	NOV 22,1974	

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3,267	287,794	10 54	NOV 22, 1974	
3,284	287,461	10 55	NOV 22, 1974	
3,300	287,723	10 56	NOV 22, 1974	
3,316	287,604	10 57	NOV 22, 1974	
3,333	287,437	10 58	NOV 22, 1974	
3,349	287,295	10 59	NOV 22, 1974	
3,365	287,271	11 00	NOV 22, 1974	
3,382	287,271	11 01	NOV 22, 1974	
3,398	287,318	11 02	NOV 22, 1974	
3,414	287,223	11 03	NOV 22, 1974	
3,431	287,128	11 04	NOV 22, 1974	
3,447	287,318	11 05	NOV 22, 1974	
3,463	277,994	11 06	NOV 22, 1974	
3,480	328,993	11 07	NOV 22, 1974	END JETTING
3,496	345,501	11 08	NOV 22, 1974	
3,512	353,065	11 09	NOV 22, 1974	
3,529	302,827	11 10	NOV 22, 1974	
3,545	306,348	11 11	NOV 22, 1974	
3,561	308,013	11 12	NOV 22, 1974	
3,578	307,751	11 13	NOV 22, 1974	
3,594	309,654	11 14	NOV 22, 1974	
3,610	310,772	11 15	NOV 22, 1974	
3,627	311,319	11 16	NOV 22, 1974	
3,643	311,843	11 17	NOV 22, 1974	
3,659	312,152	11 18	NOV 22, 1974	
3,676	312,342	11 19	NOV 22, 1974	
3,692	312,461	11 20	NOV 22, 1974	
3,708	312,437	11 21	NOV 22, 1974	
3,725	312,604	11 21	NOV 22, 1974	
3,741	312,509	11 22	NOV 22, 1974	
3,757	312,770	11 23	NOV 22, 1974	
3,774	312,247	11 24	NOV 22, 1974	
3,790	312,770	11 25	NOV 22, 1974	
3,806	312,723	11 26	NOV 22, 1974	
3,823	312,865	11 27	NOV 22, 1974	
3,839	312,865	11 28	NOV 22, 1974	
3,855	312,461	11 29	NOV 22, 1974	
3,872	312,961	11 30	NOV 22, 1974	
3,888	312,865	11 31	NOV 22, 1974	
3,904	313,056	11 32	NOV 22, 1974	

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3.921	313.103	11 33	NOV 22, 1974	
3.937	312.889	11 34	NOV 22, 1974	
3.953	313.127	11 35	NOV 22, 1974	
3.970	313.032	11 36	NOV 22, 1974	
3.986	313.270	11 37	NOV 22, 1974	
4.002	313.294	11 38	NOV 22, 1974	
4.019	313.413	11 39	NOV 22, 1974	
4.035	313.484	11 40	NOV 22, 1974	
4.051	313.555	11 41	NOV 22, 1974	
4.068	313.579	11 42	NOV 22, 1974	
4.084	313.627	11 43	NOV 22, 1974	
4.100	313.650	11 44	NOV 22, 1974	
4.117	313.698	11 45	NOV 22, 1974	
4.133	313.627	11 46	NOV 22, 1974	
4.150	313.698	11 47	NOV 22, 1974	
4.166	313.746	11 48	NOV 22, 1974	
4.182	313.793	11 49	NOV 22, 1974	
4.199	313.793	11 50	NOV 22, 1974	
4.215	313.817	11 51	NOV 22, 1974	
4.231	313.817	11 52	NOV 22, 1974	
4.248	313.841	11 53	NOV 22, 1974	
4.264	313.864	11 54	NOV 22, 1974	
4.280	313.888	11 55	NOV 22, 1974	
4.297	313.912	11 56	NOV 22, 1974	
4.313	313.888	11 57	NOV 22, 1974	
4.329	313.936	11 58	NOV 22, 1974	
4.346	313.936	11 59	NOV 22, 1974	
4.362	313.960	12 00	NOV 22, 1974	
4.378	313.983	12 01	NOV 22, 1974	
4.395	314.007	12 02	NOV 22, 1974	
4.411	314.007	12 03	NOV 22, 1974	
4.427	314.007	12 04	NOV 22, 1974	
4.444	314.055	12 05	NOV 22, 1974	
4.460	314.007	12 06	NOV 22, 1974	
4.476	314.079	12 07	NOV 22, 1974	
4.493	314.126	12 08	NOV 22, 1974	
4.509	314.150	12 09	NOV 22, 1974	
4.525	314.150	12 10	NOV 22, 1974	
4.542	314.150	12 10	NOV 22, 1974	
4.558	314.221	12 11	NOV 22, 1974	

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4.574	314.197	12 12	NOV 22, 1974	
4.591	314.221	12 13	NOV 22, 1974	
4.607	314.221	12 14	NOV 22, 1974	
4.623	314.245	12 15	NOV 22, 1974	
4.640	314.245	12 16	NOV 22, 1974	
4.656	314.245	12 17	NOV 22, 1974	
4.672	314.269	12 18	NOV 22, 1974	
4.689	314.269	12 19	NOV 22, 1974	
4.705	314.340	12 20	NOV 22, 1974	
4.721	314.316	12 21	NOV 22, 1974	
4.738	314.293	12 22	NOV 22, 1974	
4.754	314.221	12 23	NOV 22, 1974	
4.770	314.340	12 24	NOV 22, 1974	
4.787	314.388	12 25	NOV 22, 1974	
4.803	314.364	12 26	NOV 22, 1974	
4.819	314.412	12 27	NOV 22, 1974	
4.836	314.364	12 28	NOV 22, 1974	
4.852	314.435	12 29	NOV 22, 1974	
4.868	314.388	12 30	NOV 22, 1974	
4.885	314.412	12 31	NOV 22, 1974	
4.901	314.435	12 32	NOV 22, 1974	
4.917	314.459	12 33	NOV 22, 1974	
4.934	314.459	12 34	NOV 22, 1974	
4.950	314.507	12 35	NOV 22, 1974	
4.966	314.530	12 36	NOV 22, 1974	START 2.5 GPM DOWN DP
4.983	314.530	12 37	NOV 22, 1974	
4.999	314.530	12 38	NOV 22, 1974	
5.015	315.720	12 39	NOV 22, 1974	
5.032	316.552	12 40	NOV 22, 1974	
5.048	317.052	12 41	NOV 22, 1974	
5.064	317.337	12 42	NOV 22, 1974	
5.081	317.575	12 43	NOV 22, 1974	
5.097	317.694	12 44	NOV 22, 1974	
5.113	317.837	12 45	NOV 22, 1974	
5.130	317.956	12 46	NOV 22, 1974	
5.146	318.027	12 47	NOV 22, 1974	
5.162	318.099	12 48	NOV 22, 1974	
5.179	318.146	12 49	NOV 22, 1974	
5.195	318.194	12 50	NOV 22, 1974	
5.211	318.289	12 51	NOV 22, 1974	END 2.5 GPM

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5,228	317,932	12 52	NOV 22,1974	
5,244	316,838	12 53	NOV 22,1974	
5,260	316,029	12 54	NOV 22,1974	
5,277	315,601	12 55	NOV 22,1974	
5,293	315,411	12 56	NOV 22,1974	
5,309	315,292	12 57	NOV 22,1974	
5,326	315,173	12 58	NOV 22,1974	START 5 GPM
5,342	315,173	12 59	NOV 22,1974	DOWN DP
5,358	315,411	13 00	NOV 22,1974	
5,375	317,765	13 00	NOV 22,1974	
5,391	319,240	13 01	NOV 22,1974	
5,407	319,978	13 02	NOV 22,1974	
5,424	320,525	13 03	NOV 22,1974	
5,440	321,001	13 04	NOV 22,1974	
5,456	321,500	13 05	NOV 22,1974	
5,473	322,142	13 06	NOV 22,1974	
5,489	322,737	13 07	NOV 22,1974	
5,505	323,141	13 08	NOV 22,1974	
5,522	323,427	13 09	NOV 22,1974	
5,538	323,688	13 10	NOV 22,1974	
5,554	323,879	13 11	NOV 22,1974	
5,571	324,045	13 12	NOV 22,1974	
5,587	324,164	13 13	NOV 22,1974	END 5 GPM
5,603	322,047	13 14	NOV 22,1974	DOWN DP
5,620	319,978	13 15	NOV 22,1974	START 10 GPM
5,636	323,807	13 16	NOV 22,1974	DOWN DP
5,652	328,612	13 17	NOV 22,1974	
5,669	332,085	13 18	NOV 22,1974	
5,685	334,916	13 19	NOV 22,1974	
5,701	337,271	13 20	NOV 22,1974	
5,718	339,221	13 21	NOV 22,1974	
5,734	340,886	13 22	NOV 22,1974	
5,750	342,337	13 23	NOV 22,1974	
5,767	343,717	13 24	NOV 22,1974	
5,783	344,978	13 25	NOV 22,1974	
5,800	346,215	13 26	NOV 22,1974	
5,816	347,451	13 27	NOV 22,1974	
5,832	348,522	13 28	NOV 22,1974	
5,849	349,616	13 29	NOV 22,1974	
5,865	349,878	13 30	NOV 22,1974	END 10 GPM

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5.881	343.360	13 31	NOV 22, 1974	DOWN DP
5.898	340.696	13 32	NOV 22, 1974	START 20 GPM
5.914	350.568	13 33	NOV 22, 1974	DOWN DP
5.930	359.131	13 34	NOV 22, 1974	
5.947	364.887	13 35	NOV 22, 1974	
5.963	371.952	13 36	NOV 22, 1974	
5.979	377.185	13 37	NOV 22, 1974	
5.996	383.726	13 38	NOV 22, 1974	
6.012	389.840	13 39	NOV 22, 1974	
6.028	395.739	13 40	NOV 22, 1974	
6.045	401.281	13 41	NOV 22, 1974	
6.061	406.252	13 42	NOV 22, 1974	
6.077	411.271	13 43	NOV 22, 1974	
6.094	415.957	13 44	NOV 22, 1974	
6.110	420.691	13 45	NOV 22, 1974	
6.126	425.472	13 46	NOV 22, 1974	
6.143	427.875	13 47	NOV 22, 1974	END 20 GPM
6.159	416.671	13 48	NOV 22, 1974	
6.175	405.848	13 49	NOV 22, 1974	
6.192	395.905	13 49	NOV 22, 1974	
6.208	422.213	13 50	NOV 22, 1974	
6.224	458.084	13 51	NOV 22, 1974	START 20 GPM
6.241	472.737	13 52	NOV 22, 1974	TO FILL DP
6.257	481.966	13 53	NOV 22, 1974	
6.273	487.080	13 54	NOV 22, 1974	
6.290	490.648	13 55	NOV 22, 1974	
6.306	492.741	13 56	NOV 22, 1974	
6.322	494.954	13 57	NOV 22, 1974	
6.339	496.500	13 58	NOV 22, 1974	
6.355	497.927	13 59	NOV 22, 1974	
6.371	498.688	14 00	NOV 22, 1974	
6.388	499.640	14 01	NOV 22, 1974	
6.404	500.520	14 02	NOV 22, 1974	
6.420	501.138	14 03	NOV 22, 1974	
6.437	501.757	14 04	NOV 22, 1974	
6.453	502.589	14 05	NOV 22, 1974	
6.469	492.242	14 06	NOV 22, 1974	PIPE FULL
6.486	481.276	14 07	NOV 22, 1974	
6.502	471.238	14 08	NOV 22, 1974	
6.518	461.914	14 09	NOV 22, 1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
6,535	453,113	14 10	NOV 22,1974	
6,551	446,857	14 11	NOV 22,1974	
6,567	438,745	14 12	NOV 22,1974	
6,584	431,419	14 13	NOV 22,1974	
6,600	424,640	14 14	NOV 22,1974	
6,616	418,312	14 15	NOV 22,1974	
6,633	412,342	14 16	NOV 22,1974	
6,649	406,585	14 17	NOV 22,1974	
6,665	401,210	14 18	NOV 22,1974	
6,682	396,119	14 19	NOV 22,1974	
6,698	391,148	14 20	NOV 22,1974	
6,714	386,486	14 21	NOV 22,1974	
6,731	383,132	14 22	NOV 22,1974	
6,747	378,707	14 23	NOV 22,1974	
6,763	374,592	14 24	NOV 22,1974	
6,780	370,667	14 25	NOV 22,1974	
6,796	367,052	14 26	NOV 22,1974	
6,812	363,579	14 27	NOV 22,1974	
6,829	360,273	14 28	NOV 22,1974	
6,845	357,894	14 29	NOV 22,1974	
6,861	354,968	14 30	NOV 22,1974	
6,878	352,233	14 31	NOV 22,1974	
6,894	349,759	14 32	NOV 22,1974	
6,910	347,451	14 33	NOV 22,1974	
6,927	345,239	14 34	NOV 22,1974	
6,943	343,122	14 35	NOV 22,1974	
6,959	341,100	14 36	NOV 22,1974	START 20 GPM
6,976	339,197	14 37	NOV 22,1974	DOWN ANNULUS
6,992	337,366	14 38	NOV 22,1974	
7,008	335,820	14 39	NOV 22,1974	
7,025	334,250	14 39	NOV 22,1974	
7,041	333,179	14 40	NOV 22,1974	
7,057	331,752	14 41	NOV 22,1974	
7,074	330,420	14 42	NOV 22,1974	
7,090	329,397	14 43	NOV 22,1974	
7,106	328,398	14 44	NOV 22,1974	
7,123	327,209	14 45	NOV 22,1974	
7,139	326,353	14 46	NOV 22,1974	
7,155	325,568	14 47	NOV 22,1974	
7,172	324,759	14 48	NOV 22,1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
7.188	324.045	14 49	NOV 22, 1974	
7.204	323.403	14 50	NOV 22, 1974	
7.221	322.808	14 51	NOV 22, 1974	END 20 GPM
7.237	322.309	14 52	NOV 22, 1974	DOWN ANNULUS
7.253	321.809	14 53	NOV 22, 1974	
7.270	321.405	14 54	NOV 22, 1974	
7.286	320.953	14 55	NOV 22, 1974	
7.302	320.763	14 56	NOV 22, 1974	
7.319	320.406	14 57	NOV 22, 1974	
7.335	320.120	14 58	NOV 22, 1974	
7.351	319.859	14 59	NOV 22, 1974	START 40 GPM
7.368	319.740	15 00	NOV 22, 1974	DOWN ANNULUS
7.384	319.431	15 01	NOV 22, 1974	
7.400	319.288	15 02	NOV 22, 1974	
7.417	319.121	15 03	NOV 22, 1974	
7.433	318.979	15 04	NOV 22, 1974	
7.450	318.883	15 05	NOV 22, 1974	
7.466	318.812	15 06	NOV 22, 1974	
7.482	318.765	15 07	NOV 22, 1974	
7.499	318.717	15 08	NOV 22, 1974	
7.515	318.717	15 09	NOV 22, 1974	
7.531	318.646	15 10	NOV 22, 1974	
7.548	318.646	15 11	NOV 22, 1974	
7.564	318.646	15 12	NOV 22, 1974	
7.580	318.646	15 13	NOV 22, 1974	
7.597	318.669	15 14	NOV 22, 1974	END 40 GPM
7.613	318.669	15 15	NOV 22, 1974	DOWN ANNULUS
7.629	318.693	15 16	NOV 22, 1974	
7.646	318.693	15 17	NOV 22, 1974	START 55 GPM
7.662	318.693	15 18	NOV 22, 1974	DOWN ANNULUS
7.678	318.765	15 19	NOV 22, 1974	
7.695	318.812	15 20	NOV 22, 1974	
7.711	318.765	15 21	NOV 22, 1974	
7.727	318.836	15 22	NOV 22, 1974	
7.744	318.860	15 23	NOV 22, 1974	
7.760	318.883	15 24	NOV 22, 1974	
7.776	318.883	15 25	NOV 22, 1974	
7.793	318.931	15 26	NOV 22, 1974	
7.809	319.050	15 27	NOV 22, 1974	
7.825	319.074	15 28	NOV 22, 1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
7,842	319,098	15 28	NOV 22, 1974	
7,858	319,216	15 29	NOV 22, 1974	
7,874	319,240	15 30	NOV 22, 1974	
7,891	319,240	15 31	NOV 22, 1974	
7,907	319,288	15 32	NOV 22, 1974	END 55 GPM
7,923	319,383	15 33	NOV 22, 1974	DOWN ANNULUS
7,940	319,431	15 34	NOV 22, 1974	
7,956	319,454	15 35	NOV 22, 1974	
7,972	363,508	15 36	NOV 22, 1974	
7,989	348,736	15 37	NOV 22, 1974	SHUT-IN
8,005	335,059	15 38	NOV 22, 1974	
8,021	330,230	15 39	NOV 22, 1974	
8,038	326,923	15 40	NOV 22, 1974	
8,054	324,521	15 41	NOV 22, 1974	
8,070	322,832	15 42	NOV 22, 1974	
8,087	321,762	15 43	NOV 22, 1974	
8,103	321,048	15 44	NOV 22, 1974	
8,119	320,501	15 45	NOV 22, 1974	
8,136	320,168	15 46	NOV 22, 1974	
8,152	319,906	15 47	NOV 22, 1974	
8,168	319,764	15 48	NOV 22, 1974	
8,185	319,645	15 49	NOV 22, 1974	
8,201	319,645	15 50	NOV 22, 1974	
8,217	319,573	15 51	NOV 22, 1974	
8,234	319,526	15 52	NOV 22, 1974	
8,250	319,312	15 53	NOV 22, 1974	END TEST

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PREPARED FOR

ATLANTIC RICHFIELD COMPANY

WELL NUMBER FEDERAL SG-17
FIELD/LEASE TRACT C-B SORGHUM GULCH
COUNTY/PARISH RIO BLANCO
STATE COLORADO
TYPE OF TEST DRILL STEM
REFERENCE ELEV GROUND LEVEL

ADDITIONAL INFORMATION

USED GAUGE NO. 204 WITH 1000 LB. ELEMENT

GAUGE DEPTH IS 1081.85 FEET OUTSIDE

DP - IN ANNULUS

GROUND LEVEL REFERENCE IS 7036 FEET

TEST INTERVAL IS FROM ZERO FEET

(SURFACE) TO 1116 (PACKER DEPTH)

INSIDE ANNULUS

INITIAL HYDROSTATIC IS 263.22

FINAL HYDROSTATIC IS 289.23

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0,000	268,439	06 59	NOV 22,1974	PACKER RESET
,017	268,759	07 00	NOV 22,1974	START INITIAL
,033	268,965	07 01	NOV 22,1974	SHUT-IN
,050	269,056	07 02	NOV 22,1974	
,067	269,216	07 03	NOV 22,1974	
,083	269,399	07 04	NOV 22,1974	
,100	269,422	07 05	NOV 22,1974	
,117	269,468	07 06	NOV 22,1974	
,133	269,514	07 07	NOV 22,1974	
,150	269,559	07 08	NOV 22,1974	
,167	269,605	07 09	NOV 22,1974	
,183	269,628	07 10	NOV 22,1974	
,200	269,651	07 11	NOV 22,1974	
,217	269,674	07 12	NOV 22,1974	
,233	269,697	07 13	NOV 22,1974	
,250	269,697	07 14	NOV 22,1974	
,267	269,719	07 15	NOV 22,1974	
,283	269,742	07 16	NOV 22,1974	
,300	269,742	07 17	NOV 22,1974	
,317	269,788	07 18	NOV 22,1974	
,333	269,788	07 19	NOV 22,1974	
,350	269,811	07 20	NOV 22,1974	
,367	269,857	07 21	NOV 22,1974	
,383	269,811	07 22	NOV 22,1974	
,400	269,880	07 23	NOV 22,1974	
,417	269,880	07 24	NOV 22,1974	
,433	269,880	07 25	NOV 22,1974	
,450	269,880	07 26	NOV 22,1974	
,467	269,902	07 27	NOV 22,1974	
,483	269,925	07 28	NOV 22,1974	
,500	269,902	07 29	NOV 22,1974	END SHUT-IN

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0.000	270.131	07 38	NOV 22, 1974	BEGIN FLOW
.016	270.200	07 39	NOV 22, 1974	
.032	270.177	07 40	NOV 22, 1974	
.048	270.131	07 41	NOV 22, 1974	
.064	270.131	07 42	NOV 22, 1974	
.080	270.154	07 43	NOV 22, 1974	
.096	270.154	07 44	NOV 22, 1974	
.113	270.108	07 45	NOV 22, 1974	
.129	270.131	07 46	NOV 22, 1974	
.145	270.108	07 47	NOV 22, 1974	
.161	270.108	07 48	NOV 22, 1974	
.177	270.108	07 49	NOV 22, 1974	
.193	270.085	07 50	NOV 22, 1974	
.209	270.131	07 51	NOV 22, 1974	
.225	270.108	07 52	NOV 22, 1974	
.241	270.131	07 52	NOV 22, 1974	
.257	270.154	07 53	NOV 22, 1974	
.273	270.177	07 54	NOV 22, 1974	
.289	270.200	07 55	NOV 22, 1974	
.306	270.200	07 56	NOV 22, 1974	
.322	270.200	07 57	NOV 22, 1974	
.338	270.246	07 58	NOV 22, 1974	
.354	270.268	07 59	NOV 22, 1974	
.370	270.268	08 00	NOV 22, 1974	
.386	270.268	08 01	NOV 22, 1974	
.402	270.246	08 02	NOV 22, 1974	
.418	270.314	08 03	NOV 22, 1974	
.434	270.337	08 04	NOV 22, 1974	
.450	270.474	08 05	NOV 22, 1974	
.466	270.383	08 06	NOV 22, 1974	
.482	270.428	08 07	NOV 22, 1974	
.499	270.383	08 08	NOV 22, 1974	
.515	270.428	08 09	NOV 22, 1974	
.531	270.451	08 10	NOV 22, 1974	
.547	270.474	08 11	NOV 22, 1974	
.563	270.474	08 12	NOV 22, 1974	
.579	270.497	08 13	NOV 22, 1974	
.595	270.520	08 14	NOV 22, 1974	
.611	270.520	08 15	NOV 22, 1974	
.627	270.543	08 16	NOV 22, 1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
.643	270.543	08 17	NOV 22, 1974	
.659	270.589	08 18	NOV 22, 1974	
.675	270.589	08 19	NOV 22, 1974	
.692	270.589	08 19	NOV 22, 1974	
.708	270.589	08 20	NOV 22, 1974	
.724	270.634	08 21	NOV 22, 1974	
.740	270.634	08 22	NOV 22, 1974	
.756	270.657	08 23	NOV 22, 1974	
.772	270.726	08 24	NOV 22, 1974	
.788	270.680	08 25	NOV 22, 1974	
.804	270.657	08 26	NOV 22, 1974	
.820	270.680	08 27	NOV 22, 1974	
.836	270.680	08 28	NOV 22, 1974	
.852	270.840	08 29	NOV 22, 1974	
.868	270.772	08 30	NOV 22, 1974	
.885	270.543	08 31	NOV 22, 1974	
.901	270.794	08 32	NOV 22, 1974	
.917	270.840	08 33	NOV 22, 1974	
.933	270.611	08 34	NOV 22, 1974	
.949	270.840	08 35	NOV 22, 1974	
.965	270.886	08 36	NOV 22, 1974	
.981	270.863	08 37	NOV 22, 1974	
.997	270.909	08 38	NOV 22, 1974	
1.013	270.909	08 39	NOV 22, 1974	
1.029	270.909	08 40	NOV 22, 1974	
1.045	270.909	08 41	NOV 22, 1974	
1.061	270.886	08 42	NOV 22, 1974	
1.077	270.977	08 43	NOV 22, 1974	
1.094	270.932	08 44	NOV 22, 1974	
1.110	271.000	08 45	NOV 22, 1974	
1.126	270.977	08 46	NOV 22, 1974	
1.142	270.977	08 47	NOV 22, 1974	
1.158	271.000	08 47	NOV 22, 1974	
1.174	270.977	08 48	NOV 22, 1974	
1.190	271.023	08 49	NOV 22, 1974	
1.206	270.977	08 50	NOV 22, 1974	
1.222	271.023	08 51	NOV 22, 1974	
1.238	271.000	08 52	NOV 22, 1974	
1.254	271.046	08 53	NOV 22, 1974	
1.270	271.000	08 54	NOV 22, 1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
1,287	271,046	08 55	NOV 22,1974	
1,303	271,046	08 56	NOV 22,1974	
1,319	271,115	08 57	NOV 22,1974	
1,335	271,069	08 58	NOV 22,1974	
1,351	271,160	08 59	NOV 22,1974	
1,367	271,229	09 00	NOV 22,1974	
1,383	271,160	09 01	NOV 22,1974	
1,399	271,183	09 02	NOV 22,1974	
1,415	271,183	09 03	NOV 22,1974	
1,431	271,206	09 04	NOV 22,1974	
1,447	271,298	09 05	NOV 22,1974	
1,463	271,229	09 06	NOV 22,1974	
1,480	271,160	09 07	NOV 22,1974	
1,496	271,275	09 08	NOV 22,1974	
1,512	271,298	09 09	NOV 22,1974	
1,528	271,275	09 10	NOV 22,1974	
1,544	271,298	09 11	NOV 22,1974	
1,560	271,298	09 12	NOV 22,1974	
1,576	271,298	09 13	NOV 22,1974	
1,592	271,343	09 14	NOV 22,1974	
1,608	271,252	09 14	NOV 22,1974	
1,624	271,389	09 15	NOV 22,1974	
1,640	271,389	09 16	NOV 22,1974	
1,656	271,343	09 17	NOV 22,1974	
1,673	271,366	09 18	NOV 22,1974	
1,689	271,389	09 19	NOV 22,1974	
1,705	271,389	09 20	NOV 22,1974	
1,721	271,412	09 21	NOV 22,1974	
1,737	271,412	09 22	NOV 22,1974	
1,753	271,458	09 23	NOV 22,1974	
1,769	271,458	09 24	NOV 22,1974	
1,785	271,458	09 25	NOV 22,1974	
1,801	271,458	09 26	NOV 22,1974	
1,817	271,504	09 27	NOV 22,1974	
1,833	271,526	09 28	NOV 22,1974	
1,849	271,481	09 29	NOV 22,1974	
1,865	271,504	09 30	NOV 22,1974	
1,882	271,481	09 31	NOV 22,1974	
1,898	271,526	09 32	NOV 22,1974	
1,914	271,549	09 33	NOV 22,1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
1,930	271,549	09 34	NOV 22,1974	
1,946	271,618	09 35	NOV 22,1974	
1,962	271,572	09 36	NOV 22,1974	
1,978	271,641	09 37	NOV 22,1974	
1,994	271,549	09 38	NOV 22,1974	
2,010	271,595	09 39	NOV 22,1974	
2,026	271,618	09 40	NOV 22,1974	
2,042	271,618	09 41	NOV 22,1974	
2,058	271,618	09 42	NOV 22,1974	
2,075	271,641	09 42	NOV 22,1974	
2,091	271,664	09 43	NOV 22,1974	
2,107	271,664	09 44	NOV 22,1974	
2,123	271,664	09 45	NOV 22,1974	
2,139	271,664	09 46	NOV 22,1974	
2,155	271,686	09 47	NOV 22,1974	
2,171	271,686	09 48	NOV 22,1974	
2,187	271,686	09 49	NOV 22,1974	
2,203	271,709	09 50	NOV 22,1974	
2,219	271,709	09 51	NOV 22,1974	
2,235	271,732	09 52	NOV 22,1974	
2,251	271,732	09 53	NOV 22,1974	
2,268	271,755	09 54	NOV 22,1974	
2,284	271,778	09 55	NOV 22,1974	
2,300	271,755	09 56	NOV 22,1974	
2,316	271,755	09 57	NOV 22,1974	
2,332	271,778	09 58	NOV 22,1974	
2,348	271,824	09 59	NOV 22,1974	
2,364	271,778	10 00	NOV 22,1974	
2,380	271,801	10 01	NOV 22,1974	
2,396	271,847	10 02	NOV 22,1974	
2,412	271,869	10 03	NOV 22,1974	
2,428	271,847	10 04	NOV 22,1974	
2,444	271,869	10 05	NOV 22,1974	
2,461	271,938	10 06	NOV 22,1974	START AIR JET
2,477	271,892	10 07	NOV 22,1974	
2,493	271,892	10 08	NOV 22,1974	
2,509	271,892	10 09	NOV 22,1974	
2,525	271,915	10 09	NOV 22,1974	
2,541	271,915	10 10	NOV 22,1974	
2,557	271,869	10 11	NOV 22,1974	

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2,573	271,869	10 12	NOV 22,1974	
2,589	271,915	10 13	NOV 22,1974	
2,605	271,869	10 14	NOV 22,1974	
2,621	271,824	10 15	NOV 22,1974	
2,637	271,824	10 16	NOV 22,1974	
2,654	271,847	10 17	NOV 22,1974	
2,670	271,847	10 18	NOV 22,1974	
2,686	271,778	10 19	NOV 22,1974	
2,702	271,755	10 20	NOV 22,1974	
2,718	271,778	10 21	NOV 22,1974	
2,734	271,778	10 22	NOV 22,1974	
2,750	271,778	10 23	NOV 22,1974	
2,766	271,709	10 24	NOV 22,1974	
2,782	271,732	10 25	NOV 22,1974	
2,798	271,778	10 26	NOV 22,1974	
2,814	271,732	10 27	NOV 22,1974	
2,830	271,709	10 28	NOV 22,1974	
2,846	271,709	10 29	NOV 22,1974	
2,863	271,709	10 30	NOV 22,1974	
2,879	271,709	10 31	NOV 22,1974	
2,895	271,664	10 32	NOV 22,1974	
2,911	271,664	10 33	NOV 22,1974	
2,927	271,664	10 34	NOV 22,1974	
2,943	271,686	10 35	NOV 22,1974	
2,959	271,664	10 36	NOV 22,1974	
2,975	271,686	10 37	NOV 22,1974	
2,991	271,641	10 37	NOV 22,1974	
3,007	271,664	10 38	NOV 22,1974	
3,023	271,641	10 39	NOV 22,1974	
3,039	271,686	10 40	NOV 22,1974	
3,056	271,686	10 41	NOV 22,1974	
3,072	271,664	10 42	NOV 22,1974	
3,088	271,618	10 43	NOV 22,1974	
3,104	271,664	10 44	NOV 22,1974	
3,120	271,709	10 45	NOV 22,1974	
3,136	271,641	10 46	NOV 22,1974	
3,152	271,641	10 47	NOV 22,1974	
3,168	271,709	10 48	NOV 22,1974	
3,184	271,686	10 49	NOV 22,1974	
3,200	271,664	10 50	NOV 22,1974	

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3,216	271,664	10 51	NOV 22,1974	
3,232	271,664	10 52	NOV 22,1974	
3,249	271,709	10 53	NOV 22,1974	
3,265	271,686	10 54	NOV 22,1974	
3,281	271,664	10 55	NOV 22,1974	
3,297	271,686	10 56	NOV 22,1974	
3,313	271,664	10 57	NOV 22,1974	
3,329	271,664	10 58	NOV 22,1974	
3,345	271,641	10 59	NOV 22,1974	
3,361	271,618	11 00	NOV 22,1974	
3,377	271,686	11 01	NOV 22,1974	
3,393	271,709	11 02	NOV 22,1974	
3,409	271,641	11 03	NOV 22,1974	
3,425	271,686	11 04	NOV 22,1974	
3,442	271,709	11 04	NOV 22,1974	
3,458	271,686	11 05	NOV 22,1974	
3,474	271,686	11 06	NOV 22,1974	
3,490	271,618	11 07	NOV 22,1974	END OF JETTING
3,506	271,664	11 08	NOV 22,1974	RETRIEVE PIPE
3,522	271,664	11 09	NOV 22,1974	
3,538	271,664	11 10	NOV 22,1974	
3,554	271,686	11 11	NOV 22,1974	
3,570	271,709	11 12	NOV 22,1974	
3,586	271,709	11 13	NOV 22,1974	
3,602	271,709	11 14	NOV 22,1974	
3,618	271,755	11 15	NOV 22,1974	
3,635	271,801	11 16	NOV 22,1974	
3,651	271,824	11 17	NOV 22,1974	
3,667	271,801	11 18	NOV 22,1974	
3,683	271,824	11 19	NOV 22,1974	
3,699	271,869	11 20	NOV 22,1974	
3,715	271,869	11 21	NOV 22,1974	
3,731	271,892	11 22	NOV 22,1974	
3,747	271,915	11 23	NOV 22,1974	
3,763	271,938	11 24	NOV 22,1974	
3,779	271,961	11 25	NOV 22,1974	
3,795	271,984	11 26	NOV 22,1974	
3,811	272,007	11 27	NOV 22,1974	
3,827	272,030	11 28	NOV 22,1974	
3,844	272,052	11 29	NOV 22,1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
3.860	272.052	11 30	NOV 22, 1974	
3.876	272.075	11 31	NOV 22, 1974	
3.892	272.098	11 32	NOV 22, 1974	
3.908	272.075	11 32	NOV 22, 1974	
3.924	272.121	11 33	NOV 22, 1974	
3.940	272.144	11 34	NOV 22, 1974	
3.956	272.167	11 35	NOV 22, 1974	
3.972	272.190	11 36	NOV 22, 1974	
3.988	272.190	11 37	NOV 22, 1974	
4.004	272.213	11 38	NOV 22, 1974	
4.020	272.213	11 39	NOV 22, 1974	
4.037	272.258	11 40	NOV 22, 1974	
4.053	272.235	11 41	NOV 22, 1974	
4.069	272.327	11 42	NOV 22, 1974	
4.085	272.304	11 43	NOV 22, 1974	
4.101	272.258	11 44	NOV 22, 1974	
4.117	272.304	11 45	NOV 22, 1974	
4.133	272.350	11 46	NOV 22, 1974	
4.149	272.350	11 47	NOV 22, 1974	
4.165	272.350	11 48	NOV 22, 1974	
4.181	272.350	11 49	NOV 22, 1974	
4.197	272.373	11 50	NOV 22, 1974	
4.213	272.396	11 51	NOV 22, 1974	
4.230	272.396	11 52	NOV 22, 1974	
4.246	272.396	11 53	NOV 22, 1974	
4.262	272.464	11 54	NOV 22, 1974	
4.278	272.464	11 55	NOV 22, 1974	
4.294	272.464	11 56	NOV 22, 1974	
4.310	272.441	11 57	NOV 22, 1974	
4.326	272.510	11 58	NOV 22, 1974	
4.342	272.510	11 59	NOV 22, 1974	
4.358	272.510	11 59	NOV 22, 1974	
4.374	272.533	12 00	NOV 22, 1974	
4.390	272.533	12 01	NOV 22, 1974	
4.406	272.556	12 02	NOV 22, 1974	
4.423	272.601	12 03	NOV 22, 1974	
4.439	272.533	12 04	NOV 22, 1974	
4.455	272.579	12 05	NOV 22, 1974	
4.471	272.579	12 06	NOV 22, 1974	
4.487	272.601	12 07	NOV 22, 1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
4,503	272,624	12 08	NOV 22,1974	
4,519	272,624	12 09	NOV 22,1974	
4,535	272,624	12 10	NOV 22,1974	
4,551	272,647	12 11	NOV 22,1974	
4,567	272,624	12 12	NOV 22,1974	
4,583	272,647	12 13	NOV 22,1974	
4,599	272,693	12 14	NOV 22,1974	
4,615	272,693	12 15	NOV 22,1974	
4,632	272,693	12 16	NOV 22,1974	
4,648	272,739	12 17	NOV 22,1974	
4,664	272,716	12 18	NOV 22,1974	
4,680	272,739	12 19	NOV 22,1974	
4,696	272,739	12 20	NOV 22,1974	
4,712	272,762	12 21	NOV 22,1974	
4,728	272,762	12 22	NOV 22,1974	
4,744	272,762	12 23	NOV 22,1974	
4,760	272,762	12 24	NOV 22,1974	
4,776	272,807	12 25	NOV 22,1974	
4,792	272,830	12 26	NOV 22,1974	
4,808	272,807	12 27	NOV 22,1974	
4,825	272,807	12 27	NOV 22,1974	
4,841	272,830	12 28	NOV 22,1974	
4,857	272,830	12 29	NOV 22,1974	
4,873	272,853	12 30	NOV 22,1974	
4,889	272,853	12 31	NOV 22,1974	
4,905	272,830	12 32	NOV 22,1974	
4,921	272,876	12 33	NOV 22,1974	
4,937	272,876	12 34	NOV 22,1974	
4,953	272,876	12 35	NOV 22,1974	
4,969	272,899	12 36	NOV 22,1974	START 2.5 GPM
4,985	272,899	12 37	NOV 22,1974	DOWN DP
5,001	272,899	12 38	NOV 22,1974	
5,018	272,944	12 39	NOV 22,1974	
5,034	272,922	12 40	NOV 22,1974	
5,050	272,944	12 41	NOV 22,1974	
5,066	272,922	12 42	NOV 22,1974	
5,082	272,944	12 43	NOV 22,1974	
5,098	272,967	12 44	NOV 22,1974	
5,114	272,990	12 45	NOV 22,1974	
5,130	272,990	12 46	NOV 22,1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
5,146	272,990	12 47	NOV 22,1974	
5,162	273,013	12 48	NOV 22,1974	
5,178	273,013	12 49	NOV 22,1974	
5,194	273,036	12 50	NOV 22,1974	
5,211	273,036	12 51	NOV 22,1974	END 2.5 GPM
5,227	273,036	12 52	NOV 22,1974	DOWN DP
5,243	273,059	12 53	NOV 22,1974	
5,259	273,082	12 54	NOV 22,1974	
5,275	273,059	12 54	NOV 22,1974	
5,291	273,105	12 55	NOV 22,1974	
5,307	273,105	12 56	NOV 22,1974	
5,323	273,127	12 57	NOV 22,1974	
5,339	273,150	12 58	NOV 22,1974	START 5 GPM
5,355	273,150	12 59	NOV 22,1974	DOWN DP
5,371	273,173	13 00	NOV 22,1974	
5,387	273,173	13 01	NOV 22,1974	
5,404	273,173	13 02	NOV 22,1974	
5,420	273,196	13 03	NOV 22,1974	
5,436	273,219	13 04	NOV 22,1974	
5,452	273,219	13 05	NOV 22,1974	
5,468	273,196	13 06	NOV 22,1974	
5,484	273,219	13 07	NOV 22,1974	
5,500	273,265	13 08	NOV 22,1974	
5,516	273,242	13 09	NOV 22,1974	
5,532	273,242	13 10	NOV 22,1974	
5,548	273,242	13 11	NOV 22,1974	
5,564	273,242	13 12	NOV 22,1974	
5,580	273,288	13 13	NOV 22,1974	END 5 GPM
5,596	273,288	13 14	NOV 22,1974	DOWN DP
5,613	273,356	13 15	NOV 22,1974	START 10 GPM
5,629	273,379	13 16	NOV 22,1974	DOWN DP
5,645	273,356	13 17	NOV 22,1974	
5,661	273,425	13 18	NOV 22,1974	
5,677	273,379	13 19	NOV 22,1974	
5,693	273,425	13 20	NOV 22,1974	
5,709	273,425	13 21	NOV 22,1974	
5,725	273,425	13 22	NOV 22,1974	
5,741	273,471	13 22	NOV 22,1974	
5,757	273,471	13 23	NOV 22,1974	
5,773	273,516	13 24	NOV 22,1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
5.789	273.516	13 25	NOV 22, 1974	
5.806	273.516	13 26	NOV 22, 1974	
5.822	273.585	13 27	NOV 22, 1974	
5.838	273.608	13 28	NOV 22, 1974	
5.854	273.631	13 29	NOV 22, 1974	
5.870	273.676	13 30	NOV 22, 1974	END 10 GPM
5.886	273.699	13 31	NOV 22, 1974	DOWN DP
5.902	273.654	13 32	NOV 22, 1974	START 20 GPM
5.918	273.699	13 33	NOV 22, 1974	DOWN DP
5.934	273.745	13 34	NOV 22, 1974	
5.950	273.768	13 35	NOV 22, 1974	
5.966	273.791	13 36	NOV 22, 1974	
5.982	273.837	13 37	NOV 22, 1974	
5.999	273.859	13 38	NOV 22, 1974	
6.015	273.859	13 39	NOV 22, 1974	
6.031	273.859	13 40	NOV 22, 1974	
6.047	273.928	13 41	NOV 22, 1974	
6.063	273.837	13 42	NOV 22, 1974	
6.079	273.974	13 43	NOV 22, 1974	
6.095	273.997	13 44	NOV 22, 1974	
6.111	273.997	13 45	NOV 22, 1974	
6.127	274.065	13 46	NOV 22, 1974	
6.143	274.088	13 47	NOV 22, 1974	END 20 GPM
6.159	274.134	13 48	NOV 22, 1974	
6.175	274.157	13 49	NOV 22, 1974	
6.192	274.180	13 49	NOV 22, 1974	
6.208	274.225	13 50	NOV 22, 1974	
6.224	274.225	13 51	NOV 22, 1974	START FILLING
6.240	274.225	13 52	NOV 22, 1974	DP 20 GPM
6.256	274.271	13 53	NOV 22, 1974	
6.272	274.340	13 54	NOV 22, 1974	
6.288	274.340	13 55	NOV 22, 1974	
6.304	274.363	13 56	NOV 22, 1974	
6.320	274.385	13 57	NOV 22, 1974	
6.336	274.385	13 58	NOV 22, 1974	
6.352	274.408	13 59	NOV 22, 1974	
6.368	274.431	14 00	NOV 22, 1974	
6.385	274.500	14 01	NOV 22, 1974	
6.401	274.523	14 02	NOV 22, 1974	
6.417	274.500	14 03	NOV 22, 1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
6,433	274,546	14 04	NOV 22,1974	
6,449	274,591	14 05	NOV 22,1974	
6,465	274,591	14 06	NOV 22,1974	END FILLING
6,481	274,614	14 07	NOV 22,1974	DP START
6,497	274,614	14 08	NOV 22,1974	DECLINE
6,513	274,706	14 09	NOV 22,1974	
6,529	274,729	14 10	NOV 22,1974	
6,545	274,774	14 11	NOV 22,1974	
6,561	274,774	14 12	NOV 22,1974	
6,577	274,820	14 13	NOV 22,1974	
6,594	274,843	14 14	NOV 22,1974	
6,610	274,820	14 15	NOV 22,1974	
6,626	274,843	14 16	NOV 22,1974	
6,642	274,843	14 17	NOV 22,1974	
6,658	274,843	14 17	NOV 22,1974	
6,674	274,866	14 18	NOV 22,1974	
6,690	274,820	14 19	NOV 22,1974	
6,706	274,843	14 20	NOV 22,1974	
6,722	274,820	14 21	NOV 22,1974	
6,738	274,797	14 22	NOV 22,1974	
6,754	274,820	14 23	NOV 22,1974	
6,770	274,843	14 24	NOV 22,1974	
6,787	274,820	14 25	NOV 22,1974	
6,803	274,774	14 26	NOV 22,1974	
6,819	274,797	14 27	NOV 22,1974	
6,835	274,797	14 28	NOV 22,1974	
6,851	274,797	14 29	NOV 22,1974	
6,867	274,774	14 30	NOV 22,1974	
6,883	274,774	14 31	NOV 22,1974	
6,899	274,797	14 32	NOV 22,1974	
6,915	274,820	14 33	NOV 22,1974	
6,931	274,797	14 34	NOV 22,1974	
6,947	274,797	14 35	NOV 22,1974	
6,963	274,797	14 36	NOV 22,1974	START 20 GPM
6,980	274,797	14 37	NOV 22,1974	DOWN ANNULUS
6,996	274,751	14 38	NOV 22,1974	
7,012	274,797	14 39	NOV 22,1974	
7,028	274,797	14 40	NOV 22,1974	
7,044	275,438	14 41	NOV 22,1974	
7,060	277,130	14 42	NOV 22,1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
7,076	278,571	14 43	NOV 22,1974	
7,092	279,715	14 44	NOV 22,1974	
7,108	280,607	14 44	NOV 22,1974	
7,124	281,224	14 45	NOV 22,1974	
7,140	281,865	14 46	NOV 22,1974	
7,156	282,574	14 47	NOV 22,1974	
7,173	282,963	14 48	NOV 22,1974	
7,189	283,420	14 49	NOV 22,1974	
7,205	283,718	14 50	NOV 22,1974	
7,221	283,443	14 51	NOV 22,1974	END 20 GPM
7,237	284,381	14 52	NOV 22,1974	DOWN ANNULUS
7,253	284,747	14 53	NOV 22,1974	
7,269	284,815	14 54	NOV 22,1974	
7,285	284,655	14 55	NOV 22,1974	
7,301	283,420	14 56	NOV 22,1974	
7,317	282,231	14 57	NOV 22,1974	
7,333	281,156	14 58	NOV 22,1974	
7,349	280,149	14 59	NOV 22,1974	START 40 GPM
7,365	279,303	15 00	NOV 22,1974	DOWN ANNULUS
7,382	278,594	15 01	NOV 22,1974	
7,398	278,045	15 02	NOV 22,1974	
7,414	277,702	15 03	NOV 22,1974	
7,430	279,463	15 04	NOV 22,1974	
7,446	283,420	15 05	NOV 22,1974	
7,462	286,714	15 06	NOV 22,1974	
7,478	289,779	15 07	NOV 22,1974	
7,494	292,638	15 08	NOV 22,1974	
7,510	294,880	15 09	NOV 22,1974	
7,526	296,801	15 10	NOV 22,1974	
7,542	298,631	15 11	NOV 22,1974	
7,558	300,163	15 12	NOV 22,1974	
7,575	301,650	15 12	NOV 22,1974	
7,591	303,091	15 13	NOV 22,1974	
7,607	304,578	15 14	NOV 22,1974	END 40 GPM
7,623	305,927	15 15	NOV 22,1974	DOWN ANNULUS
7,639	307,322	15 16	NOV 22,1974	
7,655	308,283	15 17	NOV 22,1974	START 55 GPM
7,671	306,751	15 18	NOV 22,1974	DOWN ANNULUS
7,687	303,480	15 19	NOV 22,1974	
7,703	302,794	15 20	NOV 22,1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
7,719	307,071	15 21	NOV 22,1974	
7,735	311,508	15 22	NOV 22,1974	
7,751	315,053	15 23	NOV 22,1974	
7,768	318,759	15 24	NOV 22,1974	
7,784	321,709	15 25	NOV 22,1974	
7,800	324,248	15 26	NOV 22,1974	
7,816	327,199	15 27	NOV 22,1974	
7,832	329,875	15 28	NOV 22,1974	
7,848	331,911	15 29	NOV 22,1974	
7,864	334,129	15 30	NOV 22,1974	
7,880	335,708	15 31	NOV 22,1974	
7,896	337,492	15 32	NOV 22,1974	END 55 GPM
7,912	339,573	15 33	NOV 22,1974	DOWN ANNULUS
7,928	341,494	15 34	NOV 22,1974	
7,944	340,945	15 35	NOV 22,1974	
7,961	337,331	15 36	NOV 22,1974	
7,977	333,626	15 37	NOV 22,1974	
7,993	329,669	15 38	NOV 22,1974	SHUT-IN
8,009	325,804	15 39	NOV 22,1974	
8,025	322,739	15 39	NOV 22,1974	
8,041	320,200	15 40	NOV 22,1974	
8,057	317,524	15 41	NOV 22,1974	
8,073	317,958	15 42	NOV 22,1974	
8,089	333,923	15 43	NOV 22,1974	
8,105	331,179	15 44	NOV 22,1974	
8,121	328,663	15 45	NOV 22,1974	
8,137	326,444	15 46	NOV 22,1974	
8,154	324,340	15 47	NOV 22,1974	
8,170	322,304	15 48	NOV 22,1974	
8,186	320,223	15 49	NOV 22,1974	
8,202	318,301	15 50	NOV 22,1974	
8,218	316,494	15 51	NOV 22,1974	
8,234	314,893	15 52	NOV 22,1974	
8,250	313,452	15 53	NOV 22,1974	END TEST

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514 POINTS REPORTED THIS RUN

JOHNSTON

Schlumberger

technical
report

II B-567

EQUIPMENT & HOLE DATA

Type Test	M. F. E. OPEN HOLE		
Formation Tested	-		
Elevation	7036		Fl.
Net Productive Interval	48		Fl.
Estimated Parasity	-		%
All Depths Measured From	GROUND LEVEL		
Total Depth	1212		Fl.
Main Hole/Casing Size	6 3/4"		
Rot Hole/Liner Size	-		
Drill Collar Length	297'	I.D. -	
Drill Pipe Length	833'	I.D. -	
Packer Depth(s)	1160' & 1164'		Fl.

Sampler Pressure _____ P.S.I.G. at Surface
 Recovery: Cu. Ft. Gas _____
 cc. Oil _____
 cc. Water _____
 cc. Mud _____
 Tot. Liquid cc. _____
 Gravity _____ °API @ _____ °F.
 Gas/Oil Ratio _____ cu. ft./bbl.

**CHLORIDE
CONTENT**

Recovery Water _____ @ _____ °F. _____ ppm

Recovery Mud _____ @ _____ °F. _____

Recovery Mud Filtrate _____ @ _____ °F. _____ ppm

Mud Pit Sample _____ @ _____ °F. _____

Mud Pit Sample Filtrate _____ @ _____ °F. _____ ppm

Mud Type	WATER FOAM	Wt.	-	
Viscosity	-	Water Loss	-	C.C.
Resist. of Mud	- @ -	°F; of Filtrate	- @ -	°F
Chloride Content	-			PPM

[illegible]

Address 1500 SECURITY LIFE BUILDING; 1600 GLENARM; DENVER COLORADO 80202

Well FEDERAL S-G #17 Location 436' FWL & 181' FSL SEC. 16-3S-96W
 Test Interval 1164' TO 1212' Test # 10 Date 11-24-74

County RIO BLANCO State COLORADO
Technician TAYLOR (VERNAL) Test Approved By MR. S. W. BERKHEISER, JR.

Field Report No. 06020 C
No. Reports Requested 15 (14x)



PRESSURE DATA

Instrument No.	AK-1-5009			Field Report No. 06020 C	
Capacity (P.S.I.G.)	1500				
Instrument Depth	1143'				
Instrument Opening	INSIDE				
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.	94				
				TIME DATA	
Initial Hydrostatic Mud	A			Time Given	Time Computed
Initial Shut-in	B			Mins.	Mins.
Initial Flow	C			Mins.	Mins.
				Mins.	Mins.
				Mins.	Mins.
Final Flow	D			Mins.	Mins.
Final Shut-in	E			Mins.	Mins.
Final Hydrostatic Mud	F			Mins.	Mins.

Remarks:

* Shut in pressure did not reach static reservoir pressure.

Clock Travel 0.006661

inches per min.

PRESSURE INCREMENTS

POINTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
1	307.4		3	0	109.4	48	311.2	
2	312.0		4	1	189.9	49	311.6	
3	109.4			2	307.4	50	312.0	
4	189.9			3	308.9	51	312.0	
5	312.3			4	309.7	52	312.3	
6	313.1			5	310.0	53	312.3	
7	217.1			6	310.5	54	312.3	
8	315.7			7	310.8	55	312.3	
9	329.4			8	310.8	56	312.3	
10	292.3			9	311.2	57	312.7	
11	296.9			10	311.2	58	312.7	
12	278.0			11	311.6	59	312.7	
13	316.9			12	311.6	60	312.7	
14	319.9			13	311.6	70	313.1	
15	317.2			14	312.0	80	313.5	
				15	312.0	90	313.9	
				20	312.0	100	313.9	
				25	312.3	110	314.2	
			5	30	312.3	120	314.6	
				32	312.7	130	314.6	
				34	312.7	140	315.0	
				36	313.1	150	315.4	
			6	38	313.1	160	315.7	
			7	39	217.1	170	315.7	
				40	268.5	180	315.7	
				41	290.4	190	315.7	
				42	301.8	8	192	315.7
				43	306.7	9	194	329.4
				44	308.9			
				45	310.1	10	0	292.3
				46	310.5		1	294.6
				47	310.8			

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CONTINUED



PRESSURE DATA

Instrument No.	AK-1-5009			Field Report No. 06020 C	
Capacity (P.S.I.G.)					
Instrument Depth					
Instrument Opening					
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.					
				TIME DATA	
Initial Hydrostatic Mud	A			Time Given	Time Computed
Initial Shut-in	B			Mins.	Mins.
Initial Flow	C			Mins.	Mins.
				Mins.	Mins.
				Mins.	Mins.
Final Flow	D			Mins.	Mins.
Final Shut-in	E			Mins.	Mins.
Final Hydrostatic Mud	F			Mins.	Mins.

Remarks:

*Shut In pressure did not reach static reservoir pressure.

Clock Travel _____ inches per min.

PRESSURE INCREMENTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
2	297.2		10	312.7		150	316.9	
3	298.7		11	313.1		155	316.9	
4	298.7		12	313.1		160	316.9	
5	298.4		13	313.5		165	316.9	
6	298.0		14	313.5		170	316.9	
7	298.0		15	313.9		13 173	316.9	
8	298.0		20	313.9		2	317.5	
9	298.0		25	314.6		4	318.8	
10	298.0		30	314.6		6	318.8	
15	297.2		35	315.0		8	319.1	
20	296.9		40	315.0		10	319.1	
25	296.9		45	315.4		12	319.1	
30	296.5		50	315.4		14	319.1	
35	296.5		55	315.4		16	319.5	
40	296.5		60	315.4		18	319.5	
45	296.1		65	315.4		20	319.5	
50	296.1		70	315.7		22	319.5	
55	296.1		75	315.7		24	319.5	
60	296.1		80	315.7		26	319.5	
65	296.1		85	315.7		28	319.5	
11 70	296.9		90	315.7		14 29	319.9	
			95	316.1		30	319.1	
12 0	278.0		100	316.1		32	317.5	
1	293.1		105	316.1		15 34	317.2	
2	305.5		110	316.1		CLOCK STOPPED AT THIS POINT		
3	307.8		115	316.5				
4	309.3		120	316.5	II B-570			
5	310.8		125	316.5				
6	311.6		130	316.5				
7	312.0		135	316.5				
8	312.3		140	316.5				
9	312.3		145	316.5				



PRESSURE DATA

Instrument No.	AK-1-5010			Field Report No. 06020 C
Capacity (P.S.I.G.)	1600			
Instrument Depth	1177'			
Instrument Opening	OUTSIDE			
Pressure Gradient P.S.I./Ft.				
Well Temperature °F.	94			
				TIME DATA
Initial Hydrostatic Mud	A			Time Given Time Computed
Initial Shut-in	B			Mins. Mins.
Initial Flow	C			Mins. Mins.
				Mins. Mins.
				Mins. Mins.
Final Flow	D			Mins. Mins.
Final Shut-in	E			Mins. Mins.
Final Hydrostatic Mud	F			Mins. Mins.

Remarks:

* Shut in pressure did not reach static reservoir pressure.

Clock Travel 0.003445 inches per min.

PRESSURE INCREMENTS

POINTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
1	324.4		3 0	197.1		48	327.6	
2	328.0		4 1	197.1		49	328.0	
3	197.1		2	322.0		50	328.0	
4	197.1		3	322.4		51	328.4	
5	329.2		4	325.6		52	328.4	
6	329.2		5	326.4		53	328.4	
7	263.5		6	326.8		54	328.4	
8	332.0		7	327.2		55	328.8	
9	340.0		8	327.6		56	328.8	
10	314.0		9	327.6		57	329.2	
11	314.8		10	327.6		58	329.2	
12	301.2		11	328.0		59	329.2	
13	333.2		12	328.0		60	329.2	
14	336.0		13	328.4		70	329.2	
15	334.8		14	328.4		80	329.6	
16	338.8		15	328.4		90	330.0	
17	346.0		20	328.8		100	330.0	
18	360.4		25	328.8		110	330.4	
19	423.6		5 30	329.2		120	330.8	
20	337.6		32	323.2		130	330.8	
21	337.6		34	328.4		140	330.8	
22	334.0		36	329.2		150	330.8	
			6 38	329.2		160	331.2	
			7 39	263.5		170	331.6	
			40	293.5		180	331.6	
			41	310.0		190	331.6	
			42	318.8		8 192	332.0	
			43	323.2	II B-571	9 194	340.0	
			44	324.8				
			45	326.0		10 0	314.0	
			46	326.8		1	314.8	
			47	326.8				

CONTINUED

PRESSURE DATA

Instrument No.	AK-1-5010			Field Report No. 06020 C	
Capacity (P.S.I.G.)					
Instrument Depth					
Instrument Opening					
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.					
				TIME DATA	
Initial Hydrostatic Mud	A			Time Given	Time Computed
Initial Shut-in	B			Mins.	Mins.
Initial Flow	C			Mins.	Mins.
				Mins.	Mins.
				Mins.	Mins.
Final Flow	D			Mins.	Mins.
Final Shut-in	E			Mins.	Mins.
Final Hydrostatic Mud	F				

Remarks:

*Shut in pressure did not reach static reservoir pressure.

Clock Travel _____ inches per min.

PRESSURE INCREMENTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
2	316.0		10	329.2		150	333.2	
3	317.2		11	329.2		155	333.2	
4	317.2		12	329.6		160	333.2	
5	316.8		13	330.0		165	333.2	
6	316.8		14	330.0		170	333.2	
7	316.8		15	330.0		13 173	333.2	
8	316.4		20	330.4		2	334.4	
9	316.4		25	330.8		4	334.8	
10	316.4		30	331.2		6	335.2	
15	315.6		35	331.2		8	335.2	
20	315.2		40	331.2		10	335.2	
25	315.2		45	331.6		12	335.2	
30	314.8		50	331.6		14	335.2	
35	314.8		55	331.6		16	335.2	
40	314.8		60	331.6		18	335.6	
45	314.8		65	332.0		20	335.6	
50	314.4		70	332.0		22	335.6	
55	314.4		75	332.0		24	335.6	
60	314.4		80	332.0		26	335.6	
65	314.4		85	332.4		28	336.0	
11 70	314.8		90	332.4		14 29	336.0	
			95	332.4		30	336.0	
12 0	301.2		100	332.4		32	335.2	
1	308.4		105	332.4		15 34	334.8	
2	318.8		110	332.4		36	337.2	
3	324.0		115	332.8		38	338.0	
4	325.6		120	332.8	II B-572	40	338.0	
5	326.8		125	332.8		42	338.4	
6	327.2		130	332.8		44	338.4	
7	328.0		135	333.2		46	338.8	
8	328.4		140	333.2		16 48	338.8	
9	329.2		145	333.2				

CONTINUED



PRESSURE DATA

Instrument No.	AK-1-5010				Field Report No. 06020 C	
Capacity (P.S.I.G.)						
Instrument Depth						
Instrument Opening						
Pressure Gradient P.S.I./Ft.						
Well Temperature °F.						
					TIME DATA	
Initial Hydrostatic Mud	A				Time Given	Time Computed
Initial Shut-in	B				Mins.	Mins.
Initial Flow	C				Mins.	Mins.
					Mins.	Mins.
					Mins.	Mins.
Final Flow	D				Mins.	Mins.
Final Shut-in	E				Mins.	Mins.
Final Hydrostatic Mud	F				Mins.	Mins.

Remarks:

*Shut in pressure did not reach static reservoir pressure.

Clock Travel

inches per min.

PRESSURE INCREMENTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
50	342.0		108	342.0		172	382.0	
52	343.6		110	341.2		174	380.0	
54	344.8		112	340.4		176	338.4	
56	345.2		114	340.0		178	337.6	
58	345.6		116	339.6		180	337.6	
60	346.0		118	339.6		182	337.6	
62	346.0		120	339.2		184	337.6	
17 63	346.0		122	339.2		186	337.6	
64	348.0		124	338.8		188	337.6	
66	353.6		126	338.8		190	337.6	
68	356.0		128	338.4		21 192	337.6	
70	356.8		130	338.4				
72	358.4		132	338.4				
74	359.2		134	338.4				
76	359.6		136	338.0				
78	360.0		138	338.0				
18 79	360.4		140	338.0				
80	368.0		142	338.0				
82	376.8		144	338.0				
84	399.6		146	338.0				
86	413.2		148	338.0				
88	416.4		150	338.0				
90	420.4		152	338.0				
92	422.8		154	337.6				
9 93	423.6		156	337.6				
94	416.8		158	337.6				
96	385.6		160	337.6				
98	362.8		162	337.6				
100	352.8		164	337.6				
102	347.6		166	337.6				
104	344.8		168	337.6				
106	342.8		20 170	337.6				

II B-573

SPERRY-SUN



POST OFFICE BOX 36363 HOUSTON, TEXAS 77036 (713) 494-3021

J. A. Fouché
President

RECEIVED
DEC 13 1974

A. L. RIGERS

December 13, 1974

Mr. Frederick R. Scheerer
Atlantic-Richfield Company
1500 Security Life Building
Denver, Colorado 80202

Dear Sir:

Enclosed is the original of our Precision Pressure Gauge Drill Stem Test Job SPG-11210-G performed on your Federal SG-17 Well, Tract C-b, Piceance Creek Basin, Sorghum Gulch, Rio Blanco County, Colorado on November 24, 1974. Test interval was 1,164 feet (Packer Set) to 1,212 feet (TD) with one gauge inside the annulus above the packer and one gauge inside the drill pipe below the packer.

Also enclosed are the charts for gauge numbers 196 and 204 with Field Data Sheet.

Distribution is being made according to the attached mailing list.

Thank you for this opportunity to be of service.

Very truly yours,

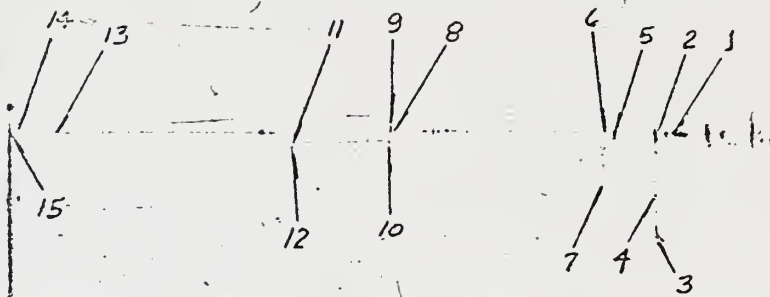
Carl Kisinger, Jr.
Manager, Pressure Services

CK:pm
Enclosures

1164 -1212

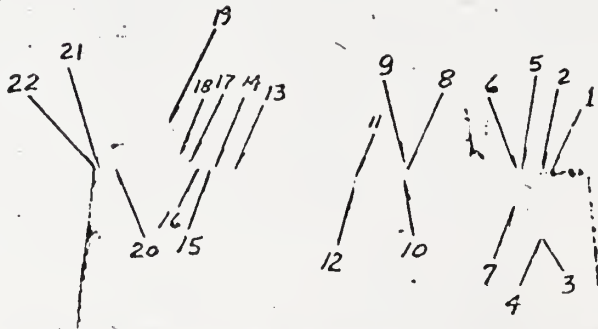
6

	FIELD REPORT NO.	RECORDER NO.
	06020 C	AK-1-5009
	CAPACITY	REPORTS REQUESTED
	1500#	15+



50101

	FIELD REPORT NO.	RECORDER NO.
	06020 C	AK-1-5010
	CAPACITY	REPORTS REQUESTED
	1600#	15+



PRESSURE GAUGE DRILL STEM TEST SHEET

Job No. SP-11210G Date DST Run DST #10 Office Pager
 Customer Arco Et Al Location Sorghum Gulch
 State Colorado County/Parish Rio Blanco
 Well Sorghum Gulch No. 17 Field Tract C-6

USE MILITARY TIME FOR ALL TIMES

	Time	Date	Time	Date	Time Charged
Arrive: Well/Dock	1. <u>2100</u>	<u>11/23/74</u>	2.		
Depart: Well/Dock	1. <u>1430</u>	<u>11/24/74</u>	2.		<u>17 1/2</u> Hrs.
Gauge Start in Hole	1. <u>2136</u>	<u>11/23/74</u>	2.		
Gauge Out of Hole	1. <u>1350</u>	<u>11/24/74</u>	2.		<u>15 1/2</u> Hrs.
No. Trips	<u>1</u>	Miles	<u>45</u>	Total Mileage	<u>90</u>

Top Gauge # 204 Element # 32761 Range 1000 Time Mode 1 min
 Btm. Gauge # 196 Element # 30951 Range 1000 Time Mode 1 min
 Type Tool Injector Hdy Test Depth 1164 - 1212 Zero Point 21
 Packer Depth 1164 Tail Pipe Depth 1212 Top Gauge Depth 1127.75
 Bottom Hole Temp. 93 Atmos. Temp. 25 Bottom Gauge Depth 1127.07

TIME INFORMATION

Time Date

On Bottom 0102 11/24
 Packer Set 0108 11/24
 Initial Open 0109 11/24
 Initial Shut-In 0147 11/24
 Start Flow 1120 11/24
 Final Shut-In 1138 11/24
 Packer Unseated 1139 11/24

PRESSURE INFORMATION

Initial Hydrostatic Mud _____
 Initial Draw Down _____
 Initial Build-Up _____
 Final Flow _____
 Final Build-Up _____
 Final Hydrostatic Mud _____
 Mud Weight _____

TIME OF SURFACE NULLS

Start End Start End
 Top Gauge 204 2230.02 1307:45 Bottom Gauge 196 2131.07 1349:15
 Remarks KB + 9' P.L.

JOB NUMBER
SPG-11210-G

DATE OF JOB
11-23-74 TO 11-24-74

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

PREPARED FOR
ATLANTIC RICHFIELD COMPANY

WELL NUMBER FEDERAL SG-17
FIELD/LEASE TRACT C-B SORGHUM GULCH
COUNTY/PARISH RIO BLANCO
STATE COLORADO
TYPE OF TEST DRILL STEM
REFERENCE ELEV GROUND LEVEL

ADDITIONAL INFORMATION

USED GAUGE NO. 196 WITH 1000 LB. ELEMENT
GAUGE DEPTH IS 1197.08 FEET INSIDE DP
GROUND LEVEL REFERENCE IS 7036 FEET
INITIAL HYDROSTATIC IS 332.43
FINAL HYDROSTATIC IS 328.26
TEST INTERVAL IS FROM 1164 FEET
(PACKER DEPTH) TO 1212 FEET (TD)
INSIDE DP

II B-577

605 POINTS REPORTED THIS JOB

PAGE 1 OF 17 PAGES

JOB NUMBER
SPG-11210-G

DATE OF JO
11-23-74 TO 11-24-74

GAUGE/RUN NUMBER
196 RUN NO. 7 DST NO. 10

DATE OF RUN
12-9-74

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0,000	228,113	01 09	NOV 21,1974	START INITIAL
,016	331,490	01 10	NOV 21,1974	
,032	331,942	01 11	NOV 21,1974	
,048	333,893	01 12	NOV 21,1974	
,065	334,773	01 13	NOV 21,1974	
,081	335,296	01 14	NOV 21,1974	
,097	335,701	01 15	NOV 21,1974	
,113	335,939	01 16	NOV 21,1974	
,129	336,105	01 17	NOV 21,1974	
,145	336,319	01 18	NOV 21,1974	
,161	336,367	01 19	NOV 21,1974	
,177	336,510	01 20	NOV 21,1974	
,194	336,605	01 21	NOV 21,1974	
,210	336,700	01 22	NOV 21,1974	
,226	336,771	01 23	NOV 21,1974	
,242	336,843	01 24	NOV 21,1974	
,258	336,890	01 24	NOV 21,1974	
,274	336,985	01 25	NOV 21,1974	
,290	336,961	01 26	NOV 21,1974	
,306	337,057	01 27	NOV 21,1974	
,323	337,080	01 28	NOV 21,1974	
,339	337,128	01 29	NOV 21,1974	
,355	337,176	01 30	NOV 21,1974	
,371	337,223	01 31	NOV 21,1974	
,387	337,223	01 32	NOV 21,1974	
,403	337,318	01 33	NOV 21,1974	
,419	337,294	01 34	NOV 21,1974	
,435	337,342	01 35	NOV 21,1974	
,452	337,413	01 36	NOV 21,1974	
,468	337,413	01 37	NOV 21,1974	
,484	337,366	01 38	NOV 21,1974	
,500	337,413	01 39	NOV 21,1974	END SHUT-IN

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32 POINTS REPORTED THIS RUN

JOB NUMBER
SPG-11210-G

DATE OF JO
11-23-74 TO 11-24-74

GAUGE/RUN NUMBER
196 RUN NO. 7 DST NO. 10

DATE OF RU
12-9-74

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0,000	274.888	01 47	NOV 24, 1974	START FLOW
,016	303.754	01 48	NOV 24, 1974	
,033	306.371	01 49	NOV 24, 1974	
,049	317.865	01 50	NOV 24, 1974	
,065	327.622	01 51	NOV 24, 1974	
,082	332.239	01 52	NOV 24, 1974	
,098	334.143	01 53	NOV 24, 1974	
,114	335.118	01 54	NOV 24, 1974	
,130	335.737	01 55	NOV 24, 1974	
,147	335.808	01 56	NOV 24, 1974	
,163	336.380	01 57	NOV 24, 1974	
,179	336.546	01 58	NOV 24, 1974	
,196	336.760	01 59	NOV 24, 1974	
,212	336.879	02 00	NOV 24, 1974	
,228	336.974	02 01	NOV 24, 1974	
,245	337.093	02 02	NOV 24, 1974	
,261	337.189	02 03	NOV 24, 1974	
,277	337.236	02 04	NOV 24, 1974	
,294	337.331	02 05	NOV 24, 1974	
,310	337.379	02 06	NOV 24, 1974	
,326	337.427	02 07	NOV 24, 1974	
,342	337.450	02 08	NOV 24, 1974	
,359	337.522	02 09	NOV 24, 1974	
,375	337.522	02 10	NOV 24, 1974	
,391	337.665	02 10	NOV 24, 1974	
,408	337.617	02 11	NOV 24, 1974	
,424	337.760	02 12	NOV 24, 1974	
,440	337.784	02 13	NOV 24, 1974	
,457	337.855	02 14	NOV 24, 1974	
,473	337.855	02 15	NOV 24, 1974	
,489	337.855	02 16	NOV 24, 1974	
,506	337.903	02 17	NOV 24, 1974	
,522	337.879	02 18	NOV 24, 1974	
,538	337.903	02 19	NOV 24, 1974	
,554	337.950	02 20	NOV 24, 1974	
,571	337.950	02 21	NOV 24, 1974	
,587	337.974	02 22	NOV 24, 1974	
,603	338.069	02 23	NOV 24, 1974	
,620	337.998	02 24	NOV 24, 1974	
,636	338.093	02 25	NOV 24, 1974	

JOB NUMBER
SPG-11210-G

DATE OF JO
11-23-74 TO 11-24-7

GAUGE/RUN NUMBER
196 RUN NO. 7 DST NO. 10

DATE OF RU
12-9-7

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
.652	338.022	02 26	NOV 24, 1974	
.669	337.926	02 27	NOV 24, 1974	
.685	338.093	02 28	NOV 24, 1974	
.701	338.188	02 29	NOV 24, 1974	
.718	338.140	02 30	NOV 24, 1974	
.734	338.236	02 31	NOV 24, 1974	
.750	338.188	02 32	NOV 24, 1974	
.767	338.093	02 33	NOV 24, 1974	
.783	338.259	02 34	NOV 24, 1974	
.799	338.283	02 35	NOV 24, 1974	
.815	338.331	02 36	NOV 24, 1974	
.832	338.331	02 37	NOV 24, 1974	
.848	338.331	02 38	NOV 24, 1974	
.864	338.378	02 39	NOV 24, 1974	
.881	338.402	02 40	NOV 24, 1974	
.897	338.426	02 41	NOV 24, 1974	
.913	338.474	02 42	NOV 24, 1974	
.930	338.307	02 43	NOV 24, 1974	
.946	338.426	02 44	NOV 24, 1974	
.962	338.402	02 45	NOV 24, 1974	
.979	338.497	02 46	NOV 24, 1974	
.995	338.355	02 47	NOV 24, 1974	
1.011	338.569	02 48	NOV 24, 1974	
1.027	338.545	02 49	NOV 24, 1974	
1.044	338.521	02 50	NOV 24, 1974	
1.060	338.569	02 51	NOV 24, 1974	
1.076	338.569	02 52	NOV 24, 1974	
1.093	338.569	02 53	NOV 24, 1974	
1.109	338.640	02 54	NOV 24, 1974	
1.125	338.664	02 55	NOV 24, 1974	
1.142	338.616	02 55	NOV 24, 1974	
1.158	338.712	02 56	NOV 24, 1974	
1.174	338.712	02 57	NOV 24, 1974	
1.191	338.712	02 58	NOV 24, 1974	
1.207	338.759	02 59	NOV 24, 1974	
1.223	338.759	03 00	NOV 24, 1974	
1.239	338.735	03 01	NOV 24, 1974	
1.256	338.807	03 02	NOV 24, 1974	
1.272	338.783	03 03	NOV 24, 1974	
1.288	338.759	03 04	NOV 24, 1974	

JOB NUMBER
SPG-11210-G

DATE OF JO
11-23-74 TO 11-24-7

GAUGE/RUN NUMBER
196 RUN NO. 7 DST NO. 10

DATE OF RU
12-9-7

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
1,305	338,831	03 05	NOV 24,1974	
1,321	338,807	03 06	NOV 24,1974	
1,337	338,807	03 07	NOV 24,1974	
1,354	338,783	03 08	NOV 24,1974	
1,370	338,807	03 09	NOV 24,1974	
1,386	338,831	03 10	NOV 24,1974	
1,403	338,854	03 11	NOV 24,1974	
1,419	338,950	03 12	NOV 24,1974	
1,435	338,926	03 13	NOV 24,1974	
1,451	338,997	03 14	NOV 24,1974	
1,468	338,973	03 15	NOV 24,1974	
1,484	338,902	03 16	NOV 24,1974	
1,500	339,021	03 17	NOV 24,1974	
1,517	339,116	03 18	NOV 24,1974	
1,533	339,116	03 19	NOV 24,1974	
1,549	338,997	03 20	NOV 24,1974	
1,566	339,069	03 21	NOV 24,1974	
1,582	339,021	03 22	NOV 24,1974	
1,598	338,997	03 23	NOV 24,1974	
1,615	339,045	03 24	NOV 24,1974	
1,631	339,092	03 25	NOV 24,1974	
1,647	339,045	03 26	NOV 24,1974	
1,663	339,116	03 27	NOV 24,1974	
1,680	339,092	03 28	NOV 24,1974	
1,696	339,140	03 29	NOV 24,1974	
1,712	339,259	03 30	NOV 24,1974	
1,729	339,259	03 31	NOV 24,1974	
1,745	339,188	03 32	NOV 24,1974	
1,761	339,164	03 33	NOV 24,1974	
1,778	339,235	03 34	NOV 24,1974	
1,794	339,259	03 35	NOV 24,1974	
1,810	339,235	03 36	NOV 24,1974	
1,827	339,307	03 37	NOV 24,1974	
1,843	339,426	03 38	NOV 24,1974	
1,859	339,568	03 39	NOV 24,1974	
1,875	339,330	03 40	NOV 24,1974	
1,892	339,521	03 41	NOV 24,1974	
1,908	339,545	03 41	NOV 24,1974	
1,924	339,426	03 42	NOV 24,1974	
1,941	339,759	03 43	NOV 24,1974	

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1,957	339,426	03 44	NOV 24, 1974	
1,973	339,545	03 45	NOV 24, 1974	
1,990	339,759	03 46	NOV 24, 1974	
2,006	339,521	03 47	NOV 24, 1974	
2,022	339,640	03 48	NOV 24, 1974	
2,039	339,782	03 49	NOV 24, 1974	
2,055	339,687	03 50	NOV 24, 1974	
2,071	339,568	03 51	NOV 24, 1974	
2,087	339,545	03 52	NOV 24, 1974	
2,104	339,711	03 53	NOV 24, 1974	
2,120	339,640	03 54	NOV 24, 1974	
2,136	339,640	03 55	NOV 24, 1974	
2,153	339,664	03 56	NOV 24, 1974	
2,169	339,497	03 57	NOV 24, 1974	
2,185	339,664	03 58	NOV 24, 1974	
2,202	339,759	03 59	NOV 24, 1974	
2,218	339,782	04 00	NOV 24, 1974	
2,234	339,735	04 01	NOV 24, 1974	
2,251	339,735	04 02	NOV 24, 1974	
2,267	339,735	04 03	NOV 24, 1974	
2,283	339,735	04 04	NOV 24, 1974	
2,300	339,759	04 05	NOV 24, 1974	
2,316	339,687	04 06	NOV 24, 1974	
2,332	339,592	04 07	NOV 24, 1974	
2,348	339,806	04 08	NOV 24, 1974	
2,365	339,806	04 09	NOV 24, 1974	
2,381	339,806	04 10	NOV 24, 1974	
2,397	339,687	04 11	NOV 24, 1974	
2,414	339,806	04 12	NOV 24, 1974	
2,430	339,854	04 13	NOV 24, 1974	
2,446	339,854	04 14	NOV 24, 1974	
2,463	339,854	04 15	NOV 24, 1974	
2,479	339,878	04 16	NOV 24, 1974	
2,495	339,878	04 17	NOV 24, 1974	
2,512	339,878	04 18	NOV 24, 1974	
2,528	339,901	04 19	NOV 24, 1974	
2,544	339,949	04 20	NOV 24, 1974	
2,560	339,997	04 21	NOV 24, 1974	
2,577	339,997	04 22	NOV 24, 1974	START AIR JET
2,593	339,997	04 23	NOV 24, 1974	DOWN DP

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2,609	340.211	04 24	NOV 24, 1974	
2,626	347.374	04 25	NOV 24, 1974	
2,642	344.970	04 26	NOV 24, 1974	
2,658	321.982	04 26	NOV 24, 1974	
2,675	322.458	04 27	NOV 24, 1974	
2,691	323.862	04 28	NOV 24, 1974	
2,707	325.504	04 29	NOV 24, 1974	
2,724	325.124	04 30	NOV 24, 1974	
2,740	324.719	04 31	NOV 24, 1974	
2,756	324.219	04 32	NOV 24, 1974	
2,772	324.219	04 33	NOV 24, 1974	
2,789	324.005	04 34	NOV 24, 1974	
2,805	323.862	04 35	NOV 24, 1974	
2,821	323.577	04 36	NOV 24, 1974	
2,838	323.577	04 37	NOV 24, 1974	
2,854	323.529	04 38	NOV 24, 1974	
2,870	323.410	04 39	NOV 24, 1974	
2,887	323.148	04 40	NOV 24, 1974	
2,903	323.006	04 41	NOV 24, 1974	
2,919	323.148	04 42	NOV 24, 1974	
2,936	322.863	04 43	NOV 24, 1974	
2,952	322.934	04 44	NOV 24, 1974	
2,968	322.910	04 45	NOV 24, 1974	
2,984	322.791	04 46	NOV 24, 1974	
3,001	322.720	04 47	NOV 24, 1974	
3,017	322.720	04 48	NOV 24, 1974	
3,033	322.672	04 49	NOV 24, 1974	
3,050	322.530	04 50	NOV 24, 1974	
3,066	322.530	04 51	NOV 24, 1974	
3,082	322.530	04 52	NOV 24, 1974	
3,099	322.458	04 53	NOV 24, 1974	
3,115	322.458	04 54	NOV 24, 1974	
3,131	322.292	04 55	NOV 24, 1974	
3,148	322.411	04 56	NOV 24, 1974	
3,164	322.387	04 57	NOV 24, 1974	
3,180	322.101	04 58	NOV 24, 1974	
3,196	322.411	04 59	NOV 24, 1974	
3,213	322.292	05 00	NOV 24, 1974	
3,229	322.268	05 01	NOV 24, 1974	
3,245	322.339	05 02	NOV 24, 1974	

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3,262	322,078	05 03	NOV 24,1974	
3,278	322,125	05 04	NOV 24,1974	
3,294	322,149	05 05	NOV 24,1974	
3,311	322,196	05 06	NOV 24,1974	
3,327	322,078	05 07	NOV 24,1974	
3,343	322,054	05 08	NOV 24,1974	
3,360	322,220	05 09	NOV 24,1974	
3,376	321,982	05 10	NOV 24,1974	
3,392	322,054	05 11	NOV 24,1974	
3,408	321,887	05 12	NOV 24,1974	
3,425	322,125	05 12	NOV 24,1974	
3,441	321,982	05 13	NOV 24,1974	
3,457	321,863	05 14	NOV 24,1974	
3,474	321,792	05 15	NOV 24,1974	
3,490	321,840	05 16	NOV 24,1974	
3,506	322,078	05 17	NOV 24,1974	
3,523	321,911	05 18	NOV 24,1974	
3,539	321,959	05 19	NOV 24,1974	
3,555	322,030	05 20	NOV 24,1974	
3,572	321,697	05 21	NOV 24,1974	
3,588	321,721	05 22	NOV 24,1974	
3,604	321,911	05 23	NOV 24,1974	
3,620	321,887	05 24	NOV 24,1974	
3,637	321,887	05 25	NOV 24,1974	
3,653	321,911	05 26	NOV 24,1974	
3,669	321,911	05 27	NOV 24,1974	
3,686	321,768	05 28	NOV 24,1974	
3,702	321,935	05 29	NOV 24,1974	
3,718	321,887	05 30	NOV 24,1974	
3,735	321,887	05 31	NOV 24,1974	
3,751	321,887	05 32	NOV 24,1974	
3,767	321,792	05 33	NOV 24,1974	
3,784	321,578	05 34	NOV 24,1974	
3,800	321,721	05 35	NOV 24,1974	
3,816	321,887	05 36	NOV 24,1974	
3,833	321,197	05 37	NOV 24,1974	
3,849	322,458	05 38	NOV 24,1974	
3,865	305,681	05 39	NOV 24,1974	
3,881	322,196	05 40	NOV 24,1974	
3,898	331,097	05 41	NOV 24,1974	

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3,914	333,429	05 42	NOV 24,1974	
3,930	334,833	05 43	NOV 24,1974	
3,947	335,785	05 44	NOV 24,1974	
3,963	336,356	05 45	NOV 24,1974	
3,979	336,760	05 46	NOV 24,1974	
3,996	337,022	05 47	NOV 24,1974	
4,012	337,331	05 48	NOV 24,1974	
4,028	337,474	05 49	NOV 24,1974	
4,045	337,712	05 50	NOV 24,1974	
4,061	337,831	05 51	NOV 24,1974	
4,077	337,974	05 52	NOV 24,1974	
4,093	338,093	05 53	NOV 24,1974	
4,110	338,188	05 54	NOV 24,1974	
4,126	338,069	05 55	NOV 24,1974	
4,142	338,426	05 56	NOV 24,1974	
4,159	338,331	05 57	NOV 24,1974	
4,175	338,545	05 57	NOV 24,1974	
4,191	338,593	05 58	NOV 24,1974	
4,208	338,545	05 59	NOV 24,1974	
4,224	338,593	06 00	NOV 24,1974	
4,240	338,759	06 01	NOV 24,1974	
4,257	338,759	06 02	NOV 24,1974	
4,273	338,854	06 03	NOV 24,1974	
4,289	338,616	06 04	NOV 24,1974	
4,305	338,997	06 05	NOV 24,1974	
4,322	338,759	06 06	NOV 24,1974	
4,338	339,092	06 07	NOV 24,1974	
4,354	339,021	06 08	NOV 24,1974	
4,371	339,116	06 09	NOV 24,1974	
4,387	339,188	06 10	NOV 24,1974	
4,403	339,307	06 11	NOV 24,1974	
4,420	339,354	06 12	NOV 24,1974	
4,436	339,378	06 13	NOV 24,1974	
4,452	339,402	06 14	NOV 24,1974	
4,469	339,449	06 15	NOV 24,1974	
4,485	339,497	06 16	NOV 24,1974	
4,501	339,497	06 17	NOV 24,1974	
4,517	339,568	06 18	NOV 24,1974	
4,534	339,568	06 19	NOV 24,1974	
4,550	339,568	06 20	NOV 24,1974	

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4.566	339.664	06 21	NOV 24, 1974	
4.583	339.711	06 22	NOV 24, 1974	
4.599	339.735	06 23	NOV 24, 1974	
4.615	339.735	06 24	NOV 24, 1974	
4.632	339.735	06 25	NOV 24, 1974	
4.648	339.782	06 26	NOV 24, 1974	
4.664	339.854	06 27	NOV 24, 1974	
4.681	339.878	06 28	NOV 24, 1974	
4.697	339.878	06 29	NOV 24, 1974	
4.729	339.878	06 31	NOV 24, 1974	
4.740	339.925	06 32	NOV 24, 1974	
4.762	339.973	06 33	NOV 24, 1974	
4.778	340.020	06 34	NOV 24, 1974	
4.795	340.020	06 35	NOV 24, 1974	
4.811	340.044	06 36	NOV 24, 1974	
4.827	340.020	06 37	NOV 24, 1974	
4.844	340.020	06 38	NOV 24, 1974	
4.860	340.116	06 39	NOV 24, 1974	
4.876	340.116	06 40	NOV 24, 1974	
4.893	340.116	06 41	NOV 24, 1974	
4.909	340.116	06 42	NOV 24, 1974	
4.925	340.163	06 43	NOV 24, 1974	
4.941	340.211	06 43	NOV 24, 1974	
4.958	340.211	06 44	NOV 24, 1974	
4.974	340.258	06 45	NOV 24, 1974	
4.990	340.258	06 46	NOV 24, 1974	
5.007	340.258	06 47	NOV 24, 1974	
5.023	340.187	06 48	NOV 24, 1974	
5.039	340.306	06 49	NOV 24, 1974	
5.056	340.306	06 50	NOV 24, 1974	
5.072	340.354	06 51	NOV 24, 1974	
5.088	340.354	06 52	NOV 24, 1974	
5.105	340.377	06 53	NOV 24, 1974	
5.121	340.377	06 54	NOV 24, 1974	
5.137	340.401	06 55	NOV 24, 1974	
5.153	340.401	06 56	NOV 24, 1974	
5.170	340.449	06 57	NOV 24, 1974	
5.186	340.496	06 58	NOV 24, 1974	
5.202	340.568	06 59	NOV 24, 1974	
5.219	340.473	07 00	NOV 24, 1974	

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5,235	340.520	07 01	NOV 24, 1974	
5,251	340.496	07 02	NOV 24, 1974	
5,268	340.520	07 03	NOV 24, 1974	
5,284	340.568	07 04	NOV 24, 1974	
5,300	340.568	07 05	NOV 24, 1974	
5,317	340.592	07 06	NOV 24, 1974	
5,333	340.592	07 07	NOV 24, 1974	
5,349	340.592	07 08	NOV 24, 1974	
5,366	340.592	07 09	NOV 24, 1974	
5,382	340.615	07 10	NOV 24, 1974	
5,398	340.615	07 11	NOV 24, 1974	
5,414	340.639	07 12	NOV 24, 1974	
5,431	340.639	07 13	NOV 24, 1974	
5,447	340.687	07 14	NOV 24, 1974	
5,463	340.734	07 15	NOV 24, 1974	
5,480	340.711	07 16	NOV 24, 1974	
5,496	340.711	07 17	NOV 24, 1974	
5,512	340.758	07 18	NOV 24, 1974	
5,529	340.758	07 19	NOV 24, 1974	
5,545	340.758	07 20	NOV 24, 1974	
5,561	340.782	07 21	NOV 24, 1974	
5,578	340.782	07 22	NOV 24, 1974	
5,594	340.830	07 23	NOV 24, 1974	
5,610	340.758	07 24	NOV 24, 1974	
5,626	340.853	07 25	NOV 24, 1974	
5,643	340.853	07 26	NOV 24, 1974	
5,659	340.901	07 27	NOV 24, 1974	
5,675	340.901	07 28	NOV 24, 1974	
5,692	340.925	07 29	NOV 24, 1974	
5,708	340.901	07 29	NOV 24, 1974	
5,724	340.925	07 30	NOV 24, 1974	
5,741	340.925	07 31	NOV 24, 1974	
5,757	340.925	07 32	NOV 24, 1974	
5,773	340.949	07 33	NOV 24, 1974	
5,790	340.949	07 34	NOV 24, 1974	
5,806	340.949	07 35	NOV 24, 1974	
5,822	340.972	07 36	NOV 24, 1974	
5,838	340.996	07 37	NOV 24, 1974	
5,855	341.044	07 38	NOV 24, 1974	
5,871	340.996	07 39	NOV 24, 1974	

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5.887	340.996	07 40	NOV 24, 1974	
5.904	341.091	07 41	NOV 24, 1974	
5.920	341.068	07 42	NOV 24, 1974	
5.936	341.044	07 43	NOV 24, 1974	
5.953	341.091	07 44	NOV 24, 1974	
5.969	341.091	07 45	NOV 24, 1974	
5.985	341.091	07 46	NOV 24, 1974	
6.002	341.115	07 47	NOV 24, 1974	
6.018	341.163	07 48	NOV 24, 1974	
6.034	341.163	07 49	NOV 24, 1974	
6.050	341.163	07 50	NOV 24, 1974	
6.067	341.163	07 51	NOV 24, 1974	
6.083	341.282	07 52	NOV 24, 1974	
6.099	341.305	07 53	NOV 24, 1974	
6.116	341.258	07 54	NOV 24, 1974	
6.132	341.234	07 55	NOV 24, 1974	
6.148	341.258	07 56	NOV 24, 1974	
6.165	341.258	07 57	NOV 24, 1974	
6.181	341.329	07 58	NOV 24, 1974	
6.197	341.234	07 59	NOV 24, 1974	
6.214	341.234	08 00	NOV 24, 1974	
6.230	341.282	08 01	NOV 24, 1974	
6.246	341.258	08 02	NOV 24, 1974	
6.262	341.305	08 03	NOV 24, 1974	
6.279	341.305	08 04	NOV 24, 1974	
6.295	341.305	08 05	NOV 24, 1974	
6.311	341.329	08 06	NOV 24, 1974	
6.328	341.353	08 07	NOV 24, 1974	
6.344	341.329	08 08	NOV 24, 1974	
6.360	341.353	08 09	NOV 24, 1974	
6.377	341.353	08 10	NOV 24, 1974	
6.393	341.401	08 11	NOV 24, 1974	
6.409	341.401	08 12	NOV 24, 1974	
6.426	341.401	08 13	NOV 24, 1974	
6.442	341.401	08 14	NOV 24, 1974	
6.458	341.401	08 14	NOV 24, 1974	
6.474	341.401	08 15	NOV 24, 1974	
6.491	341.424	08 16	NOV 24, 1974	
6.507	341.424	08 17	NOV 24, 1974	
6.523	341.448	08 18	NOV 24, 1974	

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6,540	341,448	08 19	NOV 24, 1974	
6,556	341,472	08 20	NOV 24, 1974	
6,572	341,472	08 21	NOV 24, 1974	
6,589	341,472	08 22	NOV 24, 1974	
6,605	341,496	08 23	NOV 24, 1974	
6,621	341,496	08 24	NOV 24, 1974	
6,638	341,543	08 25	NOV 24, 1974	
6,654	341,496	08 26	NOV 24, 1974	
6,670	341,567	08 27	NOV 24, 1974	
6,687	341,567	08 28	NOV 24, 1974	
6,703	341,567	08 29	NOV 24, 1974	START 2.5 GPM DOWN DP
6,719	341,591	08 30	NOV 24, 1974	
6,735	341,591	08 31	NOV 24, 1974	
6,752	341,639	08 32	NOV 24, 1974	
6,768	341,639	08 33	NOV 24, 1974	
6,784	342,519	08 34	NOV 24, 1974	
6,801	343,043	08 35	NOV 24, 1974	
6,817	343,233	08 36	NOV 24, 1974	
6,833	343,423	08 37	NOV 24, 1974	
6,850	343,423	08 38	NOV 24, 1974	
6,866	343,542	08 39	NOV 24, 1974	
6,882	343,590	08 40	NOV 24, 1974	
6,899	343,638	08 41	NOV 24, 1974	
6,915	343,709	08 42	NOV 24, 1974	
6,931	343,733	08 43	NOV 24, 1974	
6,947	343,804	08 44	NOV 24, 1974	
6,964	343,780	08 45	NOV 24, 1974	
6,980	343,828	08 46	NOV 24, 1974	
6,996	343,899	08 47	NOV 24, 1974	
7,013	343,923	08 48	NOV 24, 1974	
7,029	343,971	08 49	NOV 24, 1974	
7,045	343,899	08 50	NOV 24, 1974	
7,062	343,947	08 51	NOV 24, 1974	
7,078	343,971	08 52	NOV 24, 1974	
7,094	344,018	08 53	NOV 24, 1974	
7,111	344,018	08 54	NOV 24, 1974	
7,127	344,066	08 55	NOV 24, 1974	
7,143	344,090	08 56	NOV 24, 1974	
7,159	344,090	08 57	NOV 24, 1974	
7,176	344,042	08 58	NOV 24, 1974	END 2.5 GPM

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7.192	344.137	08 59	NOV 24, 1974	DOWN DP
7.208	344.161	09 00	NOV 24, 1974	
7.225	344.137	09 00	NOV 24, 1974	
7.241	344.185	09 01	NOV 24, 1974	
7.257	344.185	09 02	NOV 24, 1974	
7.274	343.519	09 03	NOV 24, 1974	START 5 GPM
7.290	343.185	09 04	NOV 24, 1974	DOWN DP
7.306	342.900	09 05	NOV 24, 1974	
7.323	342.805	09 06	NOV 24, 1974	
7.339	342.662	09 07	NOV 24, 1974	
7.355	344.589	09 08	NOV 24, 1974	
7.371	345.565	09 09	NOV 24, 1974	
7.388	345.946	09 10	NOV 24, 1974	
7.404	346.184	09 11	NOV 24, 1974	
7.420	346.327	09 12	NOV 24, 1974	
7.437	346.422	09 13	NOV 24, 1974	
7.453	346.493	09 14	NOV 24, 1974	
7.469	346.588	09 15	NOV 24, 1974	
7.486	346.660	09 16	NOV 24, 1974	
7.502	346.707	09 17	NOV 24, 1974	
7.518	346.779	09 18	NOV 24, 1974	START 10 GPM
7.535	346.826	09 19	NOV 24, 1974	DOWN DP
7.551	346.874	09 20	NOV 24, 1974	
7.567	346.922	09 21	NOV 24, 1974	
7.583	346.969	09 22	NOV 24, 1974	
7.600	348.302	09 23	NOV 24, 1974	
7.616	350.682	09 24	NOV 24, 1974	
7.632	351.705	09 25	NOV 24, 1974	
7.649	352.109	09 26	NOV 24, 1974	
7.665	352.585	09 27	NOV 24, 1974	
7.681	352.847	09 28	NOV 24, 1974	
7.698	353.133	09 29	NOV 24, 1974	
7.714	353.275	09 30	NOV 24, 1974	
7.730	353.442	09 31	NOV 24, 1974	
7.747	353.585	09 32	NOV 24, 1974	
7.763	353.680	09 33	NOV 24, 1974	START 20 GPM
7.779	353.751	09 34	NOV 24, 1974	DOWN DP
7.795	353.918	09 35	NOV 24, 1974	
7.812	354.037	09 36	NOV 24, 1974	
7.828	354.084	09 37	NOV 24, 1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
7.844	354.275	09 38	NOV 24, 1974	
7.861	358.677	09 39	NOV 24, 1974	
7.877	361.533	09 40	NOV 24, 1974	
7.893	363.127	09 41	NOV 24, 1974	
7.910	364.365	09 42	NOV 24, 1974	
7.926	364.817	09 43	NOV 24, 1974	
7.942	365.626	09 44	NOV 24, 1974	
7.959	366.340	09 45	NOV 24, 1974	
7.975	366.768	09 45	NOV 24, 1974	
7.991	367.173	09 46	NOV 24, 1974	
8.007	367.387	09 47	NOV 24, 1974	
8.024	367.649	09 48	NOV 24, 1974	START FILLING
8.040	368.006	09 49	NOV 24, 1974	DP
8.056	368.125	09 50	NOV 24, 1974	
8.073	368.244	09 51	NOV 24, 1974	
8.089	374.003	09 52	NOV 24, 1974	
8.105	379.214	09 53	NOV 24, 1974	
8.122	383.593	09 54	NOV 24, 1974	
8.138	392.755	09 55	NOV 24, 1974	
8.154	403.654	09 56	NOV 24, 1974	
8.171	412.340	09 57	NOV 24, 1974	
8.187	420.859	09 58	NOV 24, 1974	
8.203	425.261	09 59	NOV 24, 1974	
8.220	425.928	10 00	NOV 24, 1974	
8.236	428.545	10 01	NOV 24, 1974	
8.252	430.211	10 02	NOV 24, 1974	
8.268	431.496	10 03	NOV 24, 1974	DP FULL
8.285	432.044	10 04	NOV 24, 1974	
8.301	432.305	10 05	NOV 24, 1974	
8.317	423.548	10 06	NOV 24, 1974	
8.334	405.676	10 07	NOV 24, 1974	
8.350	394.016	10 08	NOV 24, 1974	
8.366	380.547	10 09	NOV 24, 1974	
8.383	369.719	10 10	NOV 24, 1974	
8.399	357.630	10 11	NOV 24, 1974	
8.415	354.679	10 12	NOV 24, 1974	
8.432	352.942	10 13	NOV 24, 1974	
8.448	352.038	10 14	NOV 24, 1974	
8.464	350.967	10 15	NOV 24, 1974	
8.480	349.111	10 16	NOV 24, 1974	

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8.497	348.706	10 17	NOV 24, 1974	
8.513	348.302	10 18	NOV 24, 1974	
8.529	348.064	10 19	NOV 24, 1974	
8.546	347.731	10 20	NOV 24, 1974	
8.562	347.493	10 21	NOV 24, 1974	
8.578	347.207	10 22	NOV 24, 1974	
8.595	346.969	10 23	NOV 24, 1974	
8.611	346.803	10 24	NOV 24, 1974	
8.627	346.684	10 25	NOV 24, 1974	
8.644	346.517	10 26	NOV 24, 1974	
8.660	346.446	10 27	NOV 24, 1974	
8.676	346.255	10 28	NOV 24, 1974	
8.692	346.231	10 29	NOV 24, 1974	
8.709	346.112	10 30	NOV 24, 1974	
8.725	345.994	10 31	NOV 24, 1974	
8.741	345.922	10 31	NOV 24, 1974	
8.758	345.898	10 32	NOV 24, 1974	
8.774	345.827	10 33	NOV 24, 1974	START 20 GPM
8.790	345.756	10 34	NOV 24, 1974	DOWN ANNULUS
8.807	345.708	10 35	NOV 24, 1974	
8.823	345.684	10 36	NOV 24, 1974	
8.839	345.613	10 37	NOV 24, 1974	
8.856	345.541	10 38	NOV 24, 1974	
8.872	345.494	10 39	NOV 24, 1974	
8.888	345.470	10 40	NOV 24, 1974	
8.904	345.470	10 41	NOV 24, 1974	
8.921	345.422	10 42	NOV 24, 1974	
8.937	345.375	10 43	NOV 24, 1974	
8.953	345.351	10 44	NOV 24, 1974	
8.970	345.351	10 45	NOV 24, 1974	
8.986	345.327	10 46	NOV 24, 1974	
9.002	345.280	10 47	NOV 24, 1974	
9.019	345.280	10 48	NOV 24, 1974	END 20 GPM
9.035	345.256	10 49	NOV 24, 1974	DOWN ANNULUS
9.051	345.256	10 50	NOV 24, 1974	
9.068	345.232	10 51	NOV 24, 1974	
9.084	345.184	10 52	NOV 24, 1974	
9.100	345.184	10 53	NOV 24, 1974	
9.116	345.161	10 54	NOV 24, 1974	
9.133	345.113	10 55	NOV 24, 1974	

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9.149	345.137	10 56	NOV 24, 1974	
9.165	345.113	10 57	NOV 24, 1974	
9.182	345.137	10 58	NOV 24, 1974	
9.198	345.089	10 59	NOV 24, 1974	
9.214	345.089	11 00	NOV 24, 1974	
9.231	345.089	11 01	NOV 24, 1974	
9.247	345.113	11 02	NOV 24, 1974	
9.263	345.065	11 03	NOV 24, 1974	START 40 GPM
9.280	345.065	11 04	NOV 24, 1974	DOWN ANNULUS
9.296	345.113	11 05	NOV 24, 1974	
9.312	345.113	11 06	NOV 24, 1974	
9.328	345.018	11 07	NOV 24, 1974	
9.345	345.113	11 08	NOV 24, 1974	
9.361	344.994	11 09	NOV 24, 1974	
9.377	345.065	11 10	NOV 24, 1974	
9.394	345.042	11 11	NOV 24, 1974	
9.410	345.042	11 12	NOV 24, 1974	
9.426	345.018	11 13	NOV 24, 1974	
9.443	344.994	11 14	NOV 24, 1974	
9.459	344.970	11 15	NOV 24, 1974	
9.475	344.994	11 16	NOV 24, 1974	
9.492	344.946	11 16	NOV 24, 1974	
9.508	344.923	11 17	NOV 24, 1974	
9.524	344.923	11 18	NOV 24, 1974	START 60 GPM
9.540	391.946	11 19	NOV 24, 1974	DOWN ANNULUS
9.557	354.679	11 20	NOV 24, 1974	CLOSE TOOL
9.573	346.660	11 21	NOV 24, 1974	
9.589	345.518	11 22	NOV 24, 1974	
9.606	345.303	11 23	NOV 24, 1974	
9.622	345.208	11 24	NOV 24, 1974	
9.638	345.113	11 25	NOV 24, 1974	
9.655	345.042	11 26	NOV 24, 1974	
9.671	344.994	11 27	NOV 24, 1974	
9.687	344.970	11 28	NOV 24, 1974	
9.704	344.899	11 29	NOV 24, 1974	
9.720	344.875	11 30	NOV 24, 1974	
9.736	344.875	11 31	NOV 24, 1974	
9.753	344.875	11 32	NOV 24, 1974	
9.769	344.851	11 33	NOV 24, 1974	
9.785	344.875	11 34	NOV 24, 1974	

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9.801	344.804	11 35	NOV 24, 1974	
9.818	344.851	11 36	NOV 24, 1974	
9.834	344.851	11 37	NOV 24, 1974	
9.850	344.804	11 38	NOV 24, 1974	
9.867	344.804	11 39	NOV 24, 1974	END TEST

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605 POINTS REPORTED THIS RUN

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PREPARED FOR
ATLANTIC RICHFIELD COMPANY

WELL NUMBER FEDERAL SG-17
FIELD/LEASE TRACT C-B SORGHUM GULCH
COUNTY/PARISH RIO BLANCO
STATE COLORADO
TYPE OF TEST DRILL STEM
REFERENCE ELEV GROUND LEVEL

ADDITIONAL INFORMATION

USED GAUGE NO. 204 WITH 1000 LB. ELEMENT

GAUGE DEPTH IS 1127.85 FEET OUTSIDE

DP - IN ANNULUS

GROUND LEVEL REFERENCE IS 7036 FEET

TEST INTERVAL IS FROM ZERO FEET

(SURFACE) TO 1164 FEET (PACKER DEPTH)

INSIDE ANNULUS

INITIAL HYDROSTATIC IS 292.02

FINAL HYDROSTATIC IS 271.96

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595 POINTS REPORTED THIS JOB

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0,000	292,025	01 09	NOV 24,1974	INITIAL SHUTIN
,017	292,276	01 10	NOV 24,1974	
,034	292,345	01 11	NOV 24,1974	
,052	292,482	01 12	NOV 24,1974	
,069	292,551	01 13	NOV 24,1974	
,086	292,597	01 14	NOV 24,1974	
,103	292,619	01 15	NOV 24,1974	
,121	292,642	01 16	NOV 24,1974	
,138	292,665	01 17	NOV 24,1974	
,155	292,688	01 18	NOV 24,1974	
,172	292,665	01 19	NOV 24,1974	
,190	292,665	01 20	NOV 24,1974	
,207	292,688	01 21	NOV 24,1974	
,224	292,688	01 22	NOV 24,1974	
,241	292,688	01 23	NOV 24,1974	
,259	292,688	01 25	NOV 24,1974	
,276	292,688	01 26	NOV 24,1974	
,293	292,688	01 27	NOV 24,1974	
,310	292,688	01 28	NOV 24,1974	
,328	292,688	01 29	NOV 24,1974	
,345	292,688	01 30	NOV 24,1974	
,362	292,688	01 31	NOV 24,1974	
,379	292,711	01 32	NOV 24,1974	
,397	292,688	01 33	NOV 24,1974	
,414	292,711	01 34	NOV 24,1974	
,431	292,688	01 35	NOV 24,1974	
,448	292,711	01 36	NOV 24,1974	
,466	292,688	01 37	NOV 24,1974	
,483	292,665	01 38	NOV 24,1974	
,500	292,757	01 39	NOV 24,1974	END SHUT-IN

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30 POINTS REPORTED THIS RUN

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0,000	292,981	01 47	NOV 24,1974	OPEN TO FLOW
,017	292,981	01 48	NOV 24,1974	
,033	292,981	01 49	NOV 24,1974	
,050	292,981	01 50	NOV 24,1974	
,066	292,981	01 51	NOV 24,1974	
,083	293,004	01 52	NOV 24,1974	
,100	293,027	01 53	NOV 24,1974	
,116	293,004	01 54	NOV 24,1974	
,133	293,004	01 55	NOV 24,1974	
,149	293,027	01 56	NOV 24,1974	
,166	293,004	01 57	NOV 24,1974	
,183	293,004	01 58	NOV 24,1974	
,199	293,027	01 59	NOV 24,1974	
,216	293,027	02 00	NOV 24,1974	
,233	293,027	02 01	NOV 24,1974	
,249	293,027	02 02	NOV 24,1974	
,266	293,027	02 03	NOV 24,1974	
,282	293,027	02 04	NOV 24,1974	
,299	293,027	02 05	NOV 24,1974	
,316	293,027	02 06	NOV 24,1974	
,332	293,073	02 07	NOV 24,1974	
,349	293,073	02 08	NOV 24,1974	
,365	293,073	02 09	NOV 24,1974	
,382	293,073	02 10	NOV 24,1974	
,399	293,073	02 11	NOV 24,1974	
,415	293,095	02 12	NOV 24,1974	
,432	293,073	02 13	NOV 24,1974	
,448	293,073	02 14	NOV 24,1974	
,465	293,095	02 15	NOV 24,1974	
,482	293,095	02 16	NOV 24,1974	
,498	293,095	02 17	NOV 24,1974	
,515	293,095	02 18	NOV 24,1974	
,532	293,118	02 19	NOV 24,1974	
,548	293,141	02 20	NOV 24,1974	
,565	293,118	02 21	NOV 24,1974	
,581	293,141	02 22	NOV 24,1974	
,598	293,164	02 23	NOV 24,1974	
,615	293,164	02 24	NOV 24,1974	
,631	293,187	02 25	NOV 24,1974	
,648	293,164	02 26	NOV 24,1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
.664	293,187	02 27	NOV 24,1974	
.681	293,210	02 28	NOV 24,1974	
.698	293,210	02 29	NOV 24,1974	
.714	293,210	02 30	NOV 24,1974	
.731	293,233	02 31	NOV 24,1974	
.747	293,233	02 32	NOV 24,1974	
.764	293,233	02 33	NOV 24,1974	
.781	293,233	02 34	NOV 24,1974	
.797	293,233	02 35	NOV 24,1974	
.814	293,256	02 36	NOV 24,1974	
.831	293,256	02 37	NOV 24,1974	
.847	293,256	02 38	NOV 24,1974	
.864	293,256	02 39	NOV 24,1974	
.880	293,256	02 40	NOV 24,1974	
.897	293,301	02 41	NOV 24,1974	
.914	293,278	02 42	NOV 24,1974	
.930	293,278	02 43	NOV 24,1974	
.947	293,301	02 44	NOV 24,1974	
.963	293,301	02 45	NOV 24,1974	
.980	293,301	02 46	NOV 24,1974	
.997	293,301	02 47	NOV 24,1974	
1.013	293,347	02 48	NOV 24,1974	
1.030	293,324	02 49	NOV 24,1974	
1.046	293,347	02 50	NOV 24,1974	
1.063	293,347	02 51	NOV 24,1974	
1.080	293,370	02 52	NOV 24,1974	
1.096	293,370	02 53	NOV 24,1974	
1.113	293,393	02 54	NOV 24,1974	
1.130	293,416	02 55	NOV 24,1974	
1.146	293,416	02 56	NOV 24,1974	
1.163	293,416	02 57	NOV 24,1974	
1.179	293,393	02 58	NOV 24,1974	
1.196	293,393	02 59	NOV 24,1974	
1.213	293,439	03 00	NOV 24,1974	
1.229	293,439	03 01	NOV 24,1974	
1.246	293,416	03 02	NOV 24,1974	
1.262	293,439	03 03	NOV 24,1974	
1.279	293,461	03 04	NOV 24,1974	
1.296	293,461	03 05	NOV 24,1974	
1.312	293,439	03 06	NOV 24,1974	

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1,329	293,461	03 07	NOV 24,1974	
1,345	293,461	03 08	NOV 24,1974	
1,362	293,484	03 09	NOV 24,1974	
1,379	293,484	03 10	NOV 24,1974	
1,395	293,484	03 11	NOV 24,1974	
1,412	293,507	03 12	NOV 24,1974	
1,429	293,507	03 13	NOV 24,1974	
1,445	293,507	03 14	NOV 24,1974	
1,462	293,507	03 15	NOV 24,1974	
1,478	293,530	03 16	NOV 24,1974	
1,495	293,530	03 17	NOV 24,1974	
1,512	293,530	03 18	NOV 24,1974	
1,528	293,530	03 19	NOV 24,1974	
1,545	293,576	03 20	NOV 24,1974	
1,561	293,576	03 21	NOV 24,1974	
1,578	293,553	03 22	NOV 24,1974	
1,595	293,553	03 23	NOV 24,1974	
1,611	293,599	03 24	NOV 24,1974	
1,628	293,599	03 25	NOV 24,1974	
1,644	293,576	03 26	NOV 24,1974	
1,661	293,599	03 27	NOV 24,1974	
1,678	293,622	03 28	NOV 24,1974	
1,694	293,599	03 29	NOV 24,1974	
1,711	293,622	03 30	NOV 24,1974	
1,727	293,622	03 31	NOV 24,1974	
1,744	293,622	03 32	NOV 24,1974	
1,761	293,667	03 33	NOV 24,1974	
1,777	293,644	03 34	NOV 24,1974	
1,794	293,667	03 35	NOV 24,1974	
1,811	293,667	03 36	NOV 24,1974	
1,827	293,667	03 37	NOV 24,1974	
1,844	293,667	03 38	NOV 24,1974	
1,860	293,667	03 39	NOV 24,1974	
1,877	293,667	03 40	NOV 24,1974	
1,894	293,690	03 41	NOV 24,1974	
1,910	293,690	03 42	NOV 24,1974	
1,927	293,713	03 43	NOV 24,1974	
1,943	293,713	03 44	NOV 24,1974	
1,960	293,713	03 45	NOV 24,1974	
1,977	293,690	03 46	NOV 24,1974	

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1,993	293,713	03 47	NOV 24,1974	
2,010	293,713	03 48	NOV 24,1974	
2,026	293,759	03 49	NOV 24,1974	
2,043	293,736	03 50	NOV 24,1974	
2,060	293,759	03 51	NOV 24,1974	
2,076	293,805	03 52	NOV 24,1974	
2,093	293,759	03 53	NOV 24,1974	
2,110	293,736	03 54	NOV 24,1974	
2,126	293,782	03 55	NOV 24,1974	
2,143	293,805	03 56	NOV 24,1974	
2,159	293,805	03 57	NOV 24,1974	
2,176	293,805	03 58	NOV 24,1974	
2,193	293,827	03 59	NOV 24,1974	
2,209	293,827	04 00	NOV 24,1974	
2,226	293,827	04 01	NOV 24,1974	
2,242	293,805	04 02	NOV 24,1974	
2,259	293,850	04 03	NOV 24,1974	
2,276	293,850	04 04	NOV 24,1974	
2,292	293,850	04 05	NOV 24,1974	
2,309	293,873	04 06	NOV 24,1974	
2,325	293,873	04 07	NOV 24,1974	
2,342	293,873	04 08	NOV 24,1974	
2,359	293,873	04 09	NOV 24,1974	
2,375	293,873	04 10	NOV 24,1974	
2,392	293,873	04 11	NOV 24,1974	
2,409	293,919	04 12	NOV 24,1974	
2,425	293,919	04 13	NOV 24,1974	
2,442	293,873	04 14	NOV 24,1974	
2,458	293,919	04 15	NOV 24,1974	
2,475	293,942	04 15	NOV 24,1974	
2,492	293,942	04 16	NOV 24,1974	
2,508	293,942	04 17	NOV 24,1974	
2,525	293,942	04 18	NOV 24,1974	
2,541	293,942	04 19	NOV 24,1974	
2,558	293,965	04 20	NOV 24,1974	
2,575	293,942	04 21	NOV 24,1974	
2,591	293,942	04 22	NOV 24,1974	START AIR JET
2,608	293,965	04 23	NOV 24,1974	DOWN DP
2,624	293,987	04 24	NOV 24,1974	
2,641	293,987	04 25	NOV 24,1974	

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2,658	293,987	04 26	NOV 24,1974	
2,674	294,033	04 27	NOV 24,1974	
2,691	294,056	04 28	NOV 24,1974	
2,708	294,010	04 29	NOV 24,1974	
2,724	294,010	04 30	NOV 24,1974	
2,741	294,033	04 31	NOV 24,1974	
2,757	294,056	04 32	NOV 24,1974	
2,774	294,010	04 33	NOV 24,1974	
2,791	294,033	04 34	NOV 24,1974	
2,807	294,079	04 35	NOV 24,1974	
2,824	294,056	04 36	NOV 24,1974	
2,840	294,056	04 37	NOV 24,1974	
2,857	294,056	04 38	NOV 24,1974	
2,874	294,079	04 39	NOV 24,1974	
2,890	294,079	04 40	NOV 24,1974	
2,907	294,079	04 41	NOV 24,1974	
2,923	294,102	04 42	NOV 24,1974	
2,940	294,102	04 43	NOV 24,1974	
2,957	294,102	04 44	NOV 24,1974	
2,973	294,102	04 45	NOV 24,1974	
2,990	294,125	04 46	NOV 24,1974	
3,007	294,125	04 47	NOV 24,1974	
3,023	294,125	04 48	NOV 24,1974	
3,040	294,125	04 49	NOV 24,1974	
3,056	294,148	04 50	NOV 24,1974	
3,073	294,148	04 51	NOV 24,1974	
3,090	294,170	04 52	NOV 24,1974	
3,106	294,125	04 53	NOV 24,1974	
3,123	294,148	04 54	NOV 24,1974	
3,139	294,170	04 55	NOV 24,1974	
3,156	294,170	04 56	NOV 24,1974	
3,173	294,148	04 57	NOV 24,1974	
3,189	294,193	04 58	NOV 24,1974	
3,206	294,170	04 59	NOV 24,1974	
3,222	294,170	05 00	NOV 24,1974	
3,239	294,148	05 01	NOV 24,1974	
3,256	294,170	05 02	NOV 24,1974	
3,272	294,216	05 03	NOV 24,1974	
3,289	294,216	05 04	NOV 24,1974	
3,306	294,170	05 05	NOV 24,1974	

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3,322	294,216	05 06	NOV 24,1974	
3,339	294,239	05 07	NOV 24,1974	
3,355	294,262	05 08	NOV 24,1974	
3,372	294,216	05 09	NOV 24,1974	
3,389	294,239	05 10	NOV 24,1974	
3,405	294,239	05 11	NOV 24,1974	
3,422	294,239	05 12	NOV 24,1974	
3,438	294,239	05 13	NOV 24,1974	
3,455	294,262	05 14	NOV 24,1974	
3,472	294,285	05 15	NOV 24,1974	
3,488	294,262	05 16	NOV 24,1974	
3,505	294,216	05 17	NOV 24,1974	
3,521	294,285	05 18	NOV 24,1974	
3,538	294,285	05 19	NOV 24,1974	
3,555	294,285	05 20	NOV 24,1974	
3,571	294,285	05 21	NOV 24,1974	
3,588	294,285	05 22	NOV 24,1974	
3,604	294,308	05 23	NOV 24,1974	
3,621	294,308	05 24	NOV 24,1974	
3,638	294,308	05 25	NOV 24,1974	
3,654	294,308	05 26	NOV 24,1974	
3,671	294,331	05 27	NOV 24,1974	
3,688	294,353	05 28	NOV 24,1974	
3,704	294,331	05 29	NOV 24,1974	
3,721	294,331	05 30	NOV 24,1974	
3,737	294,376	05 31	NOV 24,1974	
3,754	294,376	05 32	NOV 24,1974	END JETTING
3,771	294,353	05 33	NOV 24,1974	
3,787	294,376	05 34	NOV 24,1974	
3,804	294,399	05 35	NOV 24,1974	
3,820	294,376	05 36	NOV 24,1974	
3,837	294,353	05 37	NOV 24,1974	
3,854	294,376	05 38	NOV 24,1974	
3,870	294,399	05 39	NOV 24,1974	
3,887	294,399	05 40	NOV 24,1974	
3,903	294,422	05 41	NOV 24,1974	
3,920	294,399	05 42	NOV 24,1974	
3,937	294,399	05 43	NOV 24,1974	
3,953	294,399	05 44	NOV 24,1974	
3,970	294,422	05 45	NOV 24,1974	

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3.987	294.376	05 46	NOV 24, 1974	
4.003	294.376	05 47	NOV 24, 1974	
4.020	294.399	05 48	NOV 24, 1974	
4.036	294.376	05 49	NOV 24, 1974	
4.053	294.422	05 50	NOV 24, 1974	
4.070	294.445	05 51	NOV 24, 1974	
4.086	294.422	05 52	NOV 24, 1974	
4.103	294.422	05 53	NOV 24, 1974	
4.119	294.422	05 54	NOV 24, 1974	
4.136	294.445	05 55	NOV 24, 1974	
4.153	294.468	05 56	NOV 24, 1974	
4.169	294.445	05 57	NOV 24, 1974	
4.186	294.468	05 58	NOV 24, 1974	
4.202	294.491	05 59	NOV 24, 1974	
4.219	294.468	06 00	NOV 24, 1974	
4.236	294.468	06 01	NOV 24, 1974	
4.252	294.491	06 02	NOV 24, 1974	
4.269	294.491	06 03	NOV 24, 1974	
4.286	294.514	06 04	NOV 24, 1974	
4.302	294.514	06 05	NOV 24, 1974	
4.319	294.491	06 06	NOV 24, 1974	
4.335	294.536	06 07	NOV 24, 1974	
4.352	294.559	06 08	NOV 24, 1974	
4.369	294.514	06 09	NOV 24, 1974	
4.385	294.514	06 10	NOV 24, 1974	
4.402	294.605	06 11	NOV 24, 1974	
4.418	294.559	06 12	NOV 24, 1974	
4.435	294.514	06 13	NOV 24, 1974	
4.452	294.536	06 14	NOV 24, 1974	
4.468	294.559	06 15	NOV 24, 1974	
4.485	294.559	06 16	NOV 24, 1974	
4.501	294.536	06 17	NOV 24, 1974	
4.518	294.559	06 18	NOV 24, 1974	
4.535	294.559	06 19	NOV 24, 1974	
4.551	294.582	06 20	NOV 24, 1974	
4.568	294.559	06 21	NOV 24, 1974	
4.585	294.605	06 22	NOV 24, 1974	
4.601	294.605	06 23	NOV 24, 1974	
4.618	294.628	06 24	NOV 24, 1974	
4.634	294.582	06 25	NOV 24, 1974	

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4.651	294.628	06 26	NOV 24, 1974	
4.668	294.628	06 27	NOV 24, 1974	
4.684	294.651	06 28	NOV 24, 1974	
4.701	294.628	06 29	NOV 24, 1974	
4.717	294.628	06 30	NOV 24, 1974	
4.734	294.651	06 31	NOV 24, 1974	
4.751	294.651	06 32	NOV 24, 1974	
4.767	294.651	06 33	NOV 24, 1974	
4.784	294.674	06 34	NOV 24, 1974	
4.800	294.674	06 35	NOV 24, 1974	
4.817	294.674	06 36	NOV 24, 1974	
4.834	294.674	06 37	NOV 24, 1974	
4.850	294.674	06 38	NOV 24, 1974	
4.867	294.674	06 39	NOV 24, 1974	
4.884	294.697	06 40	NOV 24, 1974	
4.900	294.674	06 41	NOV 24, 1974	
4.917	294.674	06 42	NOV 24, 1974	
4.933	294.697	06 43	NOV 24, 1974	
4.950	294.719	06 44	NOV 24, 1974	
4.967	294.697	06 45	NOV 24, 1974	
4.983	294.719	06 46	NOV 24, 1974	
5.000	294.765	06 47	NOV 24, 1974	
5.016	294.765	06 48	NOV 24, 1974	
5.033	294.765	06 49	NOV 24, 1974	
5.050	294.788	06 50	NOV 24, 1974	
5.066	294.811	06 51	NOV 24, 1974	
5.083	294.788	06 52	NOV 24, 1974	
5.099	294.788	06 53	NOV 24, 1974	
5.116	294.765	06 54	NOV 24, 1974	
5.133	294.811	06 55	NOV 24, 1974	
5.149	294.811	06 56	NOV 24, 1974	
5.166	294.765	06 57	NOV 24, 1974	
5.182	294.788	06 58	NOV 24, 1974	
5.199	294.811	06 59	NOV 24, 1974	
5.216	294.788	07 00	NOV 24, 1974	
5.232	294.788	07 01	NOV 24, 1974	
5.249	294.811	07 02	NOV 24, 1974	
5.266	294.811	07 03	NOV 24, 1974	
5.282	294.811	07 04	NOV 24, 1974	
5.299	294.811	07 05	NOV 24, 1974	

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5,315	294,834	07 06	NOV 24,1974	
5,332	294,857	07 07	NOV 24,1974	
5,349	294,857	07 08	NOV 24,1974	
5,365	294,857	07 09	NOV 24,1974	
5,382	294,834	07 10	NOV 24,1974	
5,398	294,880	07 11	NOV 24,1974	
5,415	294,902	07 12	NOV 24,1974	
5,432	294,880	07 13	NOV 24,1974	
5,448	294,880	07 14	NOV 24,1974	
5,465	294,880	07 15	NOV 24,1974	
5,481	294,880	07 16	NOV 24,1974	
5,498	294,857	07 17	NOV 24,1974	
5,515	294,860	07 18	NOV 24,1974	
5,531	294,902	07 19	NOV 24,1974	
5,548	294,902	07 20	NOV 24,1974	
5,565	294,902	07 21	NOV 24,1974	
5,581	294,925	07 22	NOV 24,1974	
5,598	294,948	07 23	NOV 24,1974	
5,614	294,925	07 24	NOV 24,1974	
5,631	294,902	07 25	NOV 24,1974	
5,648	294,925	07 26	NOV 24,1974	
5,664	294,971	07 27	NOV 24,1974	
5,681	294,971	07 28	NOV 24,1974	
5,697	294,925	07 29	NOV 24,1974	
5,714	294,948	07 30	NOV 24,1974	
5,731	294,971	07 31	NOV 24,1974	
5,747	294,971	07 32	NOV 24,1974	
5,764	294,971	07 33	NOV 24,1974	
5,780	294,971	07 34	NOV 24,1974	
5,797	294,994	07 35	NOV 24,1974	
5,814	294,994	07 36	NOV 24,1974	
5,830	294,994	07 37	NOV 24,1974	
5,847	294,994	07 38	NOV 24,1974	
5,864	294,994	07 39	NOV 24,1974	
5,880	295,017	07 40	NOV 24,1974	
5,897	294,994	07 41	NOV 24,1974	
5,913	295,017	07 42	NOV 24,1974	
5,930	295,040	07 43	NOV 24,1974	
5,947	295,040	07 44	NOV 24,1974	
5,963	295,017	07 45	NOV 24,1974	

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5,980	295,017	07 46	NOV 24,1974	
5,996	295,063	07 47	NOV 24,1974	
6,013	295,040	07 48	NOV 24,1974	
6,030	295,017	07 49	NOV 24,1974	
6,046	295,040	07 50	NOV 24,1974	
6,063	295,085	07 51	NOV 24,1974	
6,079	295,063	07 52	NOV 24,1974	
6,096	295,063	07 53	NOV 24,1974	
6,113	295,063	07 54	NOV 24,1974	
6,129	295,085	07 55	NOV 24,1974	
6,146	295,085	07 56	NOV 24,1974	
6,163	295,040	07 57	NOV 24,1974	
6,179	295,085	07 58	NOV 24,1974	
6,196	295,108	07 59	NOV 24,1974	
6,212	295,108	08 00	NOV 24,1974	
6,229	295,085	08 01	NOV 24,1974	
6,246	295,108	08 02	NOV 24,1974	
6,262	295,108	08 03	NOV 24,1974	
6,279	295,131	08 04	NOV 24,1974	
6,295	295,085	08 05	NOV 24,1974	
6,312	295,108	08 06	NOV 24,1974	
6,329	295,154	08 07	NOV 24,1974	
6,345	295,108	08 08	NOV 24,1974	
6,362	295,108	08 09	NOV 24,1974	
6,378	295,131	08 10	NOV 24,1974	
6,395	295,154	08 11	NOV 24,1974	
6,412	295,154	08 12	NOV 24,1974	
6,428	295,131	08 13	NOV 24,1974	
6,445	295,154	08 14	NOV 24,1974	
6,462	295,200	08 15	NOV 24,1974	
6,478	295,177	08 16	NOV 24,1974	
6,495	295,154	08 17	NOV 24,1974	
6,511	295,200	08 18	NOV 24,1974	
6,528	295,200	08 19	NOV 24,1974	
6,545	295,200	08 20	NOV 24,1974	
6,561	295,177	08 21	NOV 24,1974	
6,578	295,200	08 22	NOV 24,1974	
6,594	295,200	08 23	NOV 24,1974	
6,611	295,223	08 24	NOV 24,1974	
6,628	295,177	08 25	NOV 24,1974	

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6,644	295,200	08 26	NOV 24,1974	
6,661	295,223	08 27	NOV 24,1974	
6,677	295,223	08 28	NOV 24,1974	START 2,5 GPM
6,694	295,200	08 29	NOV 24,1974	DOWN DP
6,711	295,223	08 30	NOV 24,1974	
6,727	295,223	08 31	NOV 24,1974	
6,744	295,245	08 32	NOV 24,1974	
6,760	295,245	08 33	NOV 24,1974	
6,777	295,268	08 34	NOV 24,1974	
6,794	295,291	08 35	NOV 24,1974	
6,810	295,268	08 36	NOV 24,1974	
6,827	295,245	08 37	NOV 24,1974	
6,844	295,291	08 38	NOV 24,1974	
6,860	295,314	08 39	NOV 24,1974	
6,877	295,314	08 40	NOV 24,1974	
6,893	295,268	08 41	NOV 24,1974	
6,910	295,291	08 42	NOV 24,1974	
6,927	295,291	08 43	NOV 24,1974	
6,943	295,314	08 44	NOV 24,1974	
6,960	295,314	08 45	NOV 24,1974	
6,976	295,314	08 46	NOV 24,1974	
6,993	295,314	08 47	NOV 24,1974	
7,010	295,314	08 48	NOV 24,1974	
7,026	295,314	08 49	NOV 24,1974	
7,043	295,314	08 50	NOV 24,1974	
7,059	295,360	08 51	NOV 24,1974	
7,076	295,360	08 52	NOV 24,1974	
7,093	295,314	08 53	NOV 24,1974	
7,109	295,337	08 54	NOV 24,1974	
7,126	295,360	08 55	NOV 24,1974	
7,143	295,360	08 56	NOV 24,1974	
7,159	295,360	08 57	NOV 24,1974	
7,176	295,360	08 58	NOV 24,1974	END 2,5 GPM
7,192	295,383	08 59	NOV 24,1974	DOWN DP
7,209	295,383	09 00	NOV 24,1974	
7,226	295,360	09 01	NOV 24,1974	
7,242	295,383	09 02	NOV 24,1974	
7,259	295,383	09 03	NOV 24,1974	START 5 GPM
7,275	295,383	09 04	NOV 24,1974	DOWN DP
7,292	295,383	09 05	NOV 24,1974	

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7.309	295.383	09 06	NOV 24, 1974	
7.325	295.406	09 07	NOV 24, 1974	
7.342	295.406	09 08	NOV 24, 1974	
7.358	295.383	09 09	NOV 24, 1974	
7.375	295.406	09 10	NOV 24, 1974	
7.392	295.428	09 11	NOV 24, 1974	
7.408	295.428	09 11	NOV 24, 1974	
7.425	295.428	09 12	NOV 24, 1974	
7.442	295.428	09 13	NOV 24, 1974	
7.458	295.474	09 14	NOV 24, 1974	
7.475	295.474	09 15	NOV 24, 1974	
7.491	295.474	09 16	NOV 24, 1974	
7.508	295.474	09 17	NOV 24, 1974	
7.525	295.474	09 18	NOV 24, 1974	START 10 GPM
7.541	295.474	09 19	NOV 24, 1974	DOWN DP
7.558	295.474	09 20	NOV 24, 1974	
7.574	295.497	09 21	NOV 24, 1974	
7.591	295.520	09 22	NOV 24, 1974	
7.608	295.543	09 23	NOV 24, 1974	
7.624	295.497	09 24	NOV 24, 1974	
7.641	295.520	09 25	NOV 24, 1974	
7.657	295.520	09 26	NOV 24, 1974	
7.674	295.543	09 27	NOV 24, 1974	
7.691	295.520	09 28	NOV 24, 1974	
7.707	295.543	09 29	NOV 24, 1974	
7.724	295.566	09 30	NOV 24, 1974	
7.741	295.589	09 31	NOV 24, 1974	
7.757	295.543	09 32	NOV 24, 1974	
7.774	295.566	09 33	NOV 24, 1974	START 20 GPM
7.790	295.611	09 34	NOV 24, 1974	DOWN DP
7.807	295.566	09 35	NOV 24, 1974	
7.824	295.566	09 36	NOV 24, 1974	
7.840	295.566	09 37	NOV 24, 1974	
7.857	295.611	09 38	NOV 24, 1974	
7.873	295.611	09 39	NOV 24, 1974	
7.890	295.611	09 40	NOV 24, 1974	
7.907	295.634	09 41	NOV 24, 1974	
7.923	295.657	09 42	NOV 24, 1974	
7.940	295.657	09 43	NOV 24, 1974	
7.956	295.634	09 44	NOV 24, 1974	

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7.973	295.634	09 45	NOV 24, 1974	
7.990	295.657	09 46	NOV 24, 1974	
8.006	295.657	09 47	NOV 24, 1974	
8.023	295.634	09 48	NOV 24, 1974	START FILLING
8.040	295.657	09 49	NOV 24, 1974	DP
8.056	295.703	09 50	NOV 24, 1974	
8.073	295.703	09 51	NOV 24, 1974	
8.089	295.703	09 52	NOV 24, 1974	
8.106	295.703	09 53	NOV 24, 1974	
8.123	295.703	09 54	NOV 24, 1974	
8.139	295.726	09 55	NOV 24, 1974	
8.156	295.726	09 56	NOV 24, 1974	
8.172	295.749	09 57	NOV 24, 1974	
8.189	295.772	09 58	NOV 24, 1974	
8.206	295.772	09 59	NOV 24, 1974	
8.222	295.772	10 00	NOV 24, 1974	
8.239	295.794	10 01	NOV 24, 1974	
8.255	295.840	10 02	NOV 24, 1974	
8.272	295.840	10 03	NOV 24, 1974	DP FULL
8.289	295.840	10 04	NOV 24, 1974	
8.305	295.840	10 05	NOV 24, 1974	
8.322	295.863	10 06	NOV 24, 1974	
8.338	295.886	10 07	NOV 24, 1974	
8.355	295.863	10 08	NOV 24, 1974	
8.372	295.863	10 09	NOV 24, 1974	
8.388	295.886	10 10	NOV 24, 1974	
8.405	295.886	10 11	NOV 24, 1974	
8.422	295.886	10 12	NOV 24, 1974	
8.438	295.886	10 13	NOV 24, 1974	
8.455	295.886	10 14	NOV 24, 1974	
8.471	295.886	10 15	NOV 24, 1974	
8.488	295.909	10 16	NOV 24, 1974	
8.505	295.932	10 17	NOV 24, 1974	
8.521	295.932	10 18	NOV 24, 1974	
8.538	295.932	10 19	NOV 24, 1974	
8.554	295.909	10 20	NOV 24, 1974	
8.571	295.932	10 21	NOV 24, 1974	
8.588	295.955	10 22	NOV 24, 1974	
8.604	295.955	10 23	NOV 24, 1974	
8.621	295.955	10 24	NOV 24, 1974	

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8,637	295,955	10 25	NOV 24,1974	
8,654	295,955	10 26	NOV 24,1974	
8,671	295,955	10 27	NOV 24,1974	
8,687	295,955	10 28	NOV 24,1974	
8,704	295,955	10 29	NOV 24,1974	
8,721	295,955	10 30	NOV 24,1974	
8,737	295,955	10 31	NOV 24,1974	
8,754	295,955	10 32	NOV 24,1974	
8,770	295,955	10 33	NOV 24,1974	START 20 GPM
8,787	295,977	10 34	NOV 24,1974	DOWN ANNULUS
8,804	295,955	10 35	NOV 24,1974	
8,820	295,955	10 36	NOV 24,1974	
8,837	297,098	10 37	NOV 24,1974	
8,853	296,115	10 38	NOV 24,1974	
8,870	299,820	10 39	NOV 24,1974	
8,887	300,712	10 40	NOV 24,1974	
8,903	301,467	10 41	NOV 24,1974	
8,920	301,924	10 42	NOV 24,1974	
8,936	302,428	10 43	NOV 24,1974	
8,953	302,977	10 44	NOV 24,1974	
8,970	303,411	10 45	NOV 24,1974	
8,986	303,777	10 46	NOV 24,1974	
9,003	304,052	10 47	NOV 24,1974	
9,020	304,349	10 48	NOV 24,1974	END 20 GPM
9,036	304,600	10 49	NOV 24,1974	DOWN ANNULUS
9,053	304,921	10 50	NOV 24,1974	
9,069	306,773	10 51	NOV 24,1974	
9,086	309,472	10 52	NOV 24,1974	
9,103	312,011	10 53	NOV 24,1974	
9,119	314,413	10 54	NOV 24,1974	
9,136	316,197	10 55	NOV 24,1974	
9,152	317,796	10 56	NOV 24,1974	
9,169	319,193	10 57	NOV 24,1974	
9,186	320,520	10 58	NOV 24,1974	
9,202	321,732	10 59	NOV 24,1974	
9,219	322,830	11 00	NOV 24,1974	
9,235	323,814	11 01	NOV 24,1974	
9,252	324,774	11 02	NOV 24,1974	
9,269	325,689	11 03	NOV 24,1974	START 40 GPM
9,285	326,673	11 04	NOV 24,1974	DOWN ANNULUS

JOB NUMBER
SPG-11210-G

DATE OF JOB
11-23-74 TO 11-24-74

GAUGE/RUN NUMBER
204 RUN NO. 7 DST NO. 10

DATE OF RUN
12-9-74

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
9,302	328,137	11 05	NOV 24,1974	
9,319	331,407	11 06	NOV 24,1974	
9,335	334,678	11 07	NOV 24,1974	
9,352	337,354	11 08	NOV 24,1974	
9,368	340,030	11 09	NOV 24,1974	
9,385	342,524	11 10	NOV 24,1974	
9,402	344,742	11 11	NOV 24,1974	
9,418	346,961	11 12	NOV 24,1974	
9,435	349,019	11 13	NOV 24,1974	
9,451	351,032	11 14	NOV 24,1974	
9,468	353,159	11 15	NOV 24,1974	
9,485	355,058	11 16	NOV 24,1974	
9,501	357,048	11 17	NOV 24,1974	
9,518	358,718	11 18	NOV 24,1974	START 60 GPM
9,534	360,273	11 19	NOV 24,1974	DOWN ANNULUS
9,551	359,998	11 20	NOV 24,1974	CLOSE TOOL
9,568	356,087	11 21	NOV 24,1974	
9,584	351,307	11 22	NOV 24,1974	
9,601	345,566	11 23	NOV 24,1974	
9,618	338,018	11 24	NOV 24,1974	
9,634	334,358	11 25	NOV 24,1974	
9,651	331,339	11 26	NOV 24,1974	
9,667	328,640	11 27	NOV 24,1974	
9,684	326,261	11 28	NOV 24,1974	
9,701	324,020	11 29	NOV 24,1974	
9,717	321,892	11 30	NOV 24,1974	
9,734	319,651	11 31	NOV 24,1974	
9,750	317,569	11 32	NOV 24,1974	
9,767	315,213	11 33	NOV 24,1974	
9,784	313,338	11 34	NOV 24,1974	
9,800	311,645	11 35	NOV 24,1974	
9,817	310,250	11 36	NOV 24,1974	
9,833	309,038	11 37	NOV 24,1974	
9,850	307,963	11 38	NOV 24,1974	
9,867	306,956	11 39	NOV 24,1974	END TEST

II B-611

595 POINTS REPORTED THIS RUN

JOHNSTON

Schlumberger

technical
report

II B-612

EQUIPMENT & HOLE DATA

EQUIPMENT & HOLE DATA			
Type Test	M.F.E. OPEN HOLE		
Formation Tested	GREEN RIVER		
Elevation	7036'		Ft.
Net Productive Interval	24		Ft.
Estimated Porosity	-		%
All Depths Measured From	GROUND LEVEL		
Total Depth	1224		Ft.
Main Hole/Casing Size	6 3/4"		
Rat Hole/Liner Size	-		
Drill Collar Length	297'	I.D. -	
Drill Pipe Length	854'	I.D. -	
Packer Depth(s)	1195 & 1200		Ft.

MULTI-FLOW EVALUATOR FLUID SAMPLE DATA			
Sampler Pressure _____		P.S.I.G. at Surface _____	
Recovery: Cu. Ft. Gas _____			
cc. Oil _____			
cc. Water _____			
cc. Mud _____			
Tot. Liquid cc. _____			
Gravity _____		°API @ _____ °F.	
Gas/Oil Ratio _____		cu. ft./bbl. _____	
RESISTIVITY		CHLORIDE CONTENT	
Recovery Water _____ @ _____ °F.		_____ ppm	
Recovery Mud _____ @ _____ °F.			
Recovery Mud Filtrate _____ @ _____ °F.		_____ ppm	
Mud Pit Sample _____ @ _____ °F.			
Mud Pit Sample Filtrate _____ @ _____ °F.		_____ ppm	

MUD DATA			
Mud Type	WATER FOAM	Wt.	-
Viscosity	-	Water Loss	- C.C.
Resist: of Mud	- @ -	°F; of Filtrate	- @ - °F
Chloride Content	-		PPM

[illegible]

Address 1500 SECURITY LIFE BUILDING, 1600 GLENARM; DENVER, COLORADO 80202

Company ATLANTIC - RICHFIELD COMPANY Field SORGHUM GULCH

Well FEDERAL S.G. #17 Location 436'FWL 181'FSL SEC.16-3S-96W

Test Interval 1200' TO 1224' Test # 11 Date 11-25-74

County RIO BLANCO State COLORADO

Technician TAYLOR (VERNAL) Test Approved By MR. JERRY L. BUSSELL

Field Report No. 06021 C

No. Reports Requested 15 (14x)



PRESSURE DATA

Instrument No.	AK-1-5009			Field Report No. 06021 C
Capacity (P.S.I.G.)	1500			
Instrument Depth	1179'			
Instrument Opening	INSIDE			
Pressure Gradient P.S.I./Ft.				
Well Temperature °F.	94			
				TIME DATA
Initial Hydrostatic Mud	A			Time Given Time Computed
Initial Shut-in	B			Mins. Mins.
Initial Flow	C			Mins. Mins.
				Mins. Mins.
				Mins. Mins.
Final Flow	D			Mins. Mins.
Final Shut-in	E			Mins. Mins.
Final Hydrostatic Mud	F			

Remarks:

*Shut in pressure did not reach static reservoir pressure.

Clock Travel 0.006626 inches per min.

PRESSURE INCREMENTS

POINTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
1	319.1		4	0	83.7	16	302.1	
2	323.3		1	308.9		17	305.1	
3	49.3		2	313.5		18	307.8	
4	83.7		3	315.7		19	310.1	
5	322.5		4	318.0		20	312.0	
6	323.3		5	319.1		21	313.8	
7	109.4		6	319.9		22	315.0	
8	324.8		7	320.6		23	316.1	
9	356.5		8	321.0		24	317.2	
10	279.4		9	321.4		25	318.4	
11	280.2		10	321.8		26	319.1	
12	249.6		15	322.1		27	319.5	
13	325.2		20	322.5		28	319.9	
14	338.4		25	322.5		29	320.3	
15	329.0		5	29	322.5	30	320.6	
16	336.5					31	321.0	
17	342.6		7	0	109.4	32	321.4	
18	368.3		1	146.4		33	321.4	
19	430.6		2	169.9		34	321.4	
20	509.6		3	188.4		35	321.4	
21	335.4		9	205.8		40	322.1	
22	330.5		5	221.2		45	322.5	
			6	233.0		50	322.9	
			7	244.3		55	322.9	
			8	255.3		60	323.3	
			9	263.6		65	323.3	
			10	272.6		70	323.7	
			11	278.3		75	323.7	
			12	284.4		80	323.7	
			13	290.0		85	323.7	
			14	294.2		90	323.7	
			15	298.7				

IIB-614

CONTINUED



PRESSURE DATA

Instrument No.	AK-1-5009			Field Report No. 06021 C	
Capacity (P.S.I.G.)					
Instrument Depth					
Instrument Opening					
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.					
				TIME DATA	
Initial Hydrastatic Mud	A			Time Given	Time Computed
Initial Shut-in	B			Mins.	Mins.
Initial Flow	C			Mins.	Mins.
				Mins.	Mins.
Final Flow	D			Mins.	Mins.
Final Shut-in	E			Mins.	Mins.
Final Hydrastatic Mud	F			Mins.	Mins.

Remarks:

*Shut in pressure did not reach static reservoir pressure.

Clock Travel _____ inches per min.

PRESSURE INCREMENTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
95	323.7		13	316.5		13	121	325.2
100	323.7		14	318.0		2		325.9
110	323.7		15	319.1		4		326.7
120	324.0		16	320.3		6		327.0
130	324.0		17	321.0		8		327.0
140	324.0		18	321.4		10		327.4
150	324.8		19	321.8		12		327.8
160	324.8		20	322.1		14		327.8
170	324.8		21	322.5		16		328.2
8 176	324.8		22	322.9		18		328.2
9 178	356.5		23	322.9		20		328.2
180	351.6		24	322.9		22		328.6
10 181	279.4		25	323.3		24		328.6
190	281.7		30	324.0		26		328.6
200	280.6		35	324.4		28		329.3
210	280.6		40	324.8		30		329.7
220	280.2		45	324.8		32		330.1
230	280.2		50	324.8		34		330.8
11 237	280.2		55	324.8		36		331.6
12 238	249.6		60	324.8		38		332.0
1	257.1		65	324.8		40		332.7
2	273.8		70	324.8		42		333.1
3	282.1		75	324.8		44		333.5
4	289.6		80	325.2		46		333.9
5	295.7		85	325.2		48		334.6
6	298.7		90	325.2		50		335.0
7	302.5		95	325.2		52		335.4
8	306.7		100	325.2	II B-615	54		335.8
9	308.9		105	325.2		56		336.1
10	311.6		110	325.2		58		336.1
11	313.1		115	325.2		60		336.5



PRESSURE DATA

Instrument No.	AK-1-5009			Field Report No. 06021 C	
Capacity (P.S.I.G.)					
Instrument Depth					
Instrument Opening					
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.					
				TIME DATA	
Initial Hydrostatic Mud	A			Time Given	Time Computed
Initial Shut-in	B			Mins.	Mins.
Initial Flow	C			Mins.	Mins.
				Mins.	Mins.
				Mins.	Mins.
Final Flow	D			Mins.	Mins.
Final Shut-in	E			Mins.	Mins.
Final Hydrostatic Mud	F			Mins.	Mins.

Remarks:

* Shut in pressure did not reach static reservoir pressure.

Clock Travel _____ inches per min.

PRESSURE INCREMENTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	
62	336.5		124	332.4		184	505.4		
64	336.9		126	332.7		186	507.3		
66	337.3		128	333.1		188	508.5		
68	337.6		130	333.5		190	509.2		
70	338.0		132	333.5		20	192	509.6	
72	338.4		16	134	336.5		194	455.2	
74	338.4			136	338.4		196	430.2	
14	76	338.4		138	339.9		198	411.0	
	78	336.1		140	340.7		200	392.8	
	80	335.4		142	341.4		202	380.3	
	82	334.2		144	341.8		204	370.1	
	84	333.5		146	342.2		206	361.1	
	86	332.4		148	342.2		208	353.9	
	88	332.0	17	149	342.6		210	348.6	
	90	331.2		150	353.9		212	344.4	
	92	330.8		152	358.4		214	341.0	
	94	330.5		154	361.8		216	338.4	
	96	330.1		156	364.1		218	336.1	
	98	330.1		158	365.6		220	335.8	
	100	329.7		160	367.5	21	221	335.4	
	102	329.7		162	367.9		222	331.6	
	104	329.3	18	163	368.3		224	331.2	
	106	329.3		164	387.5		226	330.8	
	108	329.0		166	397.4		228	330.5	
	110	329.0		168	404.4		230	330.5	
	112	329.0		170	414.0		232	330.5	
	113	329.0		172	420.0		234	330.5	
	116	329.0		174	425.7	II B-616	236	330.5	
	118	329.0		176	430.2		22	237	330.5
	120	329.0	19	178	430.6		CLOCK STOPPED AT THIS POINT.		
15	121	329.0		180	495.6				
	122	331.2		182	502.0				



PRESSURE DATA

Instrument No.	AK-1-5010			Field Report No. 06021 C
Capacity (P.S.I.G.)	1600			
Instrument Depth	1203'			
Instrument Opening	OUTSIDE			
Pressure Gradient P.S.I./Ft.				
Well Temperature °F.	94			
				TIME DATA
Initial Hydrostatic Mud	A			Time Given Time Computed
Initial Shut-in	B			
Initial Flow	C			
Final Flow	D			
Final Shut-in	E			
Final Hydrostatic Mud	F			

Remarks:

* Shut in pressure did not reach static reservoir pressure.

Clock Travel 0.003448 inches per min.

PRESSURE INCREMENTS

POINTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
1	330.4		4	0	100.7	16	318.4	
2	333.6		1	324.8		17	320.0	
3	73.8		2	327.2		18	322.0	
4	100.7		3	328.8		19	323.6	
5	332.8		4	330.0		20	324.8	
6	334.0		5	330.8		21	326.0	
7	127.1		6	331.6		22	327.2	
8	335.6		7	332.0		23	328.4	
9	365.6		8	332.0		24	329.2	
10	292.0		9	332.4		25	329.6	
11	291.5		10	332.4		26	330.0	
12	262.7		15	332.4		27	330.4	
13	336.0		20	332.8		28	330.8	
14	349.2		25	332.8		29	331.2	
15	340.0		5	29	332.8	30	331.6	
16	344.4					31	331.6	
17	353.2		7	0	127.1	32	332.0	
18	378.4		1	197.9		33	332.0	
19	439.2		2	213.9		34	332.4	
20	516.9		3	230.7		35	332.4	
21	347.2		4	240.3		40	332.8	
22	341.6		5	256.7		45	333.2	
23	336.0		6	264.3		50	333.2	
			7	274.7		55	333.6	
			8	281.1		60	333.6	
			9	288.7		65	333.6	
			10	293.9		70	333.6	
			11	298.3	IIB-617	75	333.6	
			12	304.0		80	334.0	
			13	308.0		85	334.0	
			14	312.0		90	334.0	
			15	314.8		CONTINUED		



PRESSURE DATA

Instrument No.	AK-1-5010				
Capacity (P.S.I.G.)					
Instrument Depth					
Instrument Opening					
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.					
Initial Hydrastatic Mud	A				
Initial Shut-in	B				
Initial Flow	C				
Final Flow	D				
Final Shut-in	E				
Final Hydrostatic Mud	F				

Field Report No. 06021 C

TIME DATA

Time Given	Time Computed
Mins.	Mins.
Mins.	Mins.
Mins.	Mins.
Mins.	Mins.
Mins.	Mins.
Mins.	Mins.

Remarks:

* Shut in pressure did not reach static reservoir pressure.

Clack Travel _____ inches per min.

PRESSURE INCREMENTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
95	334.0		13	328.4		13	121	336.0
100	334.0		14	329.2		2	336.4	
110	334.0		15	330.0		4	336.8	
120	334.4		16	330.8		6	337.2	
130	334.4		17	331.2		8	337.6	
140	334.8		18	332.0		10	338.0	
150	335.2		19	332.0		12	338.4	
160	335.6		20	332.4		14	338.8	
170	335.6		21	332.8		16	339.2	
8 176	335.6		22	333.2		18	339.2	
9 178	365.6		23	333.2		20	339.2	
180	292.7		24	333.6		22	339.6	
10 181	292.0		25	333.6		24	339.6	
190	292.7		30	334.0		26	339.6	
200	292.0		35	334.4		28	340.0	
210	291.5		40	335.2		30	340.0	
220	291.5		45	335.2		32	340.4	
230	291.5		50	335.6		34	340.8	
11 237	291.5		55	335.6		36	341.6	
12 238	262.7		60	335.6		38	342.4	
1	268.7		65	335.6		40	342.8	
2	284.7		70	335.6		42	343.2	
3	294.0		75	335.6		44	344.0	
4	298.3		80	336.0		46	344.4	
5	303.6		85	336.0		48	344.8	
6	310.4		90	336.0		50	345.1	
7	315.2		95	336.0		52	345.6	
8	317.2		100	336.0	II B-618	54	346.0	
9	320.8		105	336.0		56	346.4	
10	322.8		110	336.0		58	346.8	
11	325.2		115	336.0		60	346.8	
12	327.2		120	336.0				

CONTINUED



PRESSURE DATA

Instrument No.	AK-1-5010			Field Report No. 06021 C	
Capacity (P.S.I.G.)					
Instrument Depth					
Instrument Opening					
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.					
				TIME DATA	
Initial Hydrostatic Mud	A			Time Given	Time Computed
Initial Shut-in	B			Mins.	Mins.
Initial Flow	C			Mins.	Mins.
				Mins.	Mins.
				Mins.	Mins.
Final Flow	D			Mins.	Mins.
Final Shut-in	E			Mins.	Mins.
Final Hydrostatic Mud	F				

Remarks:

*Shut in pressure did not reach static reservoir pressure.

Clock Travel _____ inches per min.

PRESSURE INCREMENTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	
62	347.2		124	342.0		184	510.1		
64	347.6		126	342.8		186	513.3		
66	347.6		128	343.6		188	514.9		
68	348.0		130	344.0		190	516.5		
70	348.8		132	344.4		20	192	516.9	
72	349.2		16	134	344.4		194	490.0	
74	349.2			136	347.2		196	460.0	
14	76	349.2		138	349.2		198	436.8	
	78	348.4		140	350.8		200	415.6	
	80	347.6		142	351.6		202	401.2	
	82	346.4		144	352.4		204	390.0	
	84	345.2		146	352.8		206	378.8	
	86	344.4		148	353.2		208	370.4	
	88	343.6	17	149	353.2		210	364.0	
	90	342.8		150	358.4		212	360.0	
	92	342.4		152	365.2		214	355.2	
	94	342.0		154	368.8		216	352.0	
	96	341.6		156	372.0		218	349.2	
	98	341.2		158	374.4		220	347.6	
	100	340.8		160	376.4	21	221	347.2	
	102	340.8		162	378.0		222	337.6	
	104	340.8	18	163	378.4		224	344.0	
	106	340.4		164	384.4		226	342.8	
	108	340.4		166	397.2		228	342.4	
	110	340.4		168	406.8		230	342.0	
	112	340.0		170	415.2		232	341.6	
	114	340.0		172	422.8		234	341.6	
	116	340.0		174	428.8	II B-619	236	341.6	
	118	340.0		176	434.4		22	237	341.6
	120	340.0	19	178	439.2				
15	121	340.0		180	490.8				



FIELD REPORT NO.

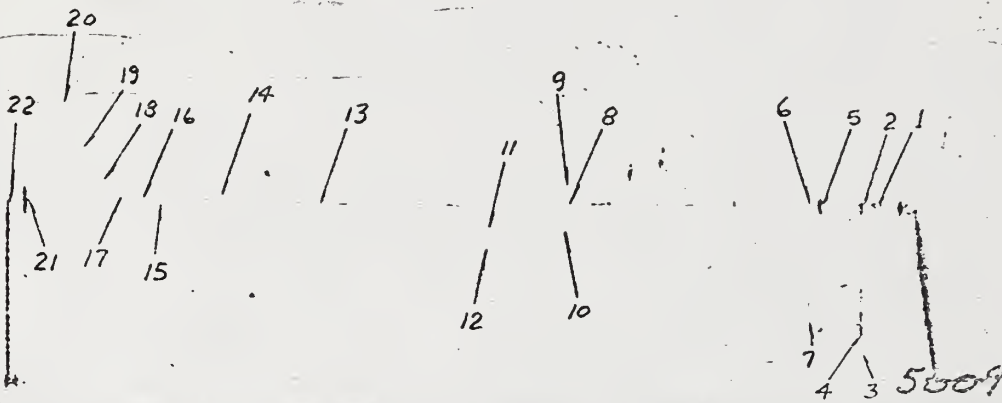
06021 C
CAPACITY

1500#

RECORDER NO.

AK-1-5009
REPORTS REQUESTED

15+



FIELD REPORT NO.

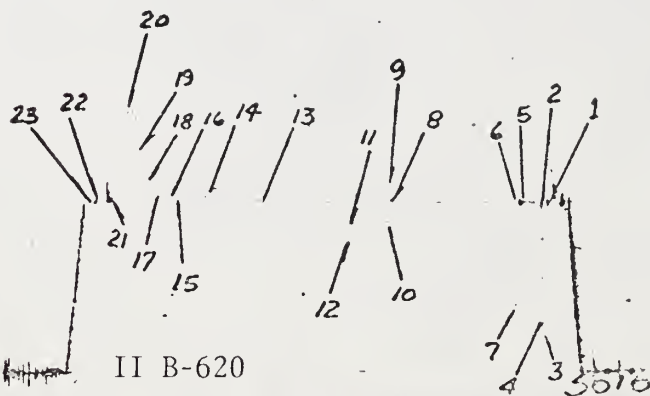
06021 C
CAPACITY

1600#

RECORDER NO.

AK-1-5010
REPORTS REQUESTED

15+



II B-620

sperry-sun



POST OFFICE BOX 36363 HOUSTON, TEXAS 77036 (713) 494-3021

J. A. Fouché
President

RECEIVED

DEC 18 1974

A. L. ROGERS

December 13, 1974

Mr. Frederick R. Scheerer
Atlantic-Richfield Company
1500 Security Life Building
Denver, Colorado 80202

Dear Sir:

Enclosed is the original of our Precision Pressure Gauge Drill Stem Test Job SPG-11210-H performed on your Federal SG-17 Well, Tract C-b; Piceance Creek Basin, Sorghum Gulch, Rio Blanco County, Colorado on November 25, 1974. Test interval was 1,200 feet (Packer Set) to 1,224 feet (TD) with one gauge inside the annulus above the packer and one gauge inside the drill pipe below the packer.

Also enclosed are the charts for gauge numbers 196 and 204 with Field Data Sheet.

Distribution is being made according to the attached mailing list.

Thank you for this opportunity to be of service.

Very truly yours,

Carl Kisinger, Jr.
Manager, Pressure Services

1200-1224

PRESSURE GAUGE DRILL STEM TEST SHEET

Job No. SPB-1121011 Date 11/25/74 Run DST #11 Office Casper
 Customer Arco Et Al Location Sorghum Patch
 State Colorado County/Parish Rio Blanco
 Well Sorghum Patch No. 17 Field Tract C-b

USE MILITARY TIME FOR ALL TIMES

	Time	Date	Time	Date	Time Charged
Arrive: Well/Deck	1. <u>0745</u>	<u>11/25</u>	2. _____	_____	_____
Depart: Well/Deck	1. <u>0030</u>	<u>11/26</u>	2. _____	_____	<u>min</u> Hrs.
Gauge Start in Hole	1. <u>0828</u>	<u>11/25</u>	2. _____	_____	_____
Gauge Out of Hole	1. <u>2335</u>	<u>11/25</u>	2. _____	_____	<u>15</u> Hrs.
No. Trips	<u>1</u>	Miles	<u>45</u>	Total Mileage	<u>90</u>

Top Gauge # 204 Element # 32761 Range 1000 Time Mode 1000
 Btm. Gauge # 196 Element # 30951 Range 1000 Time Mode 1000
 Type Tool Johnston Hdy Test Depth 1161-1224 Zero Point 26
 Packer Depth 1200 Tail Pipe Depth 1224 Top Gauge Depth 1159.15
 Bottom Hole Temp. 94 Atmos. Temp. 40 Bottom Gauge Depth 1212.29

TIME INFORMATION

Time Date

On Bottom	<u>1026</u>	<u>11/25</u>
Packer Set	<u>1046</u>	<u>11/25</u>
Initial Open	<u>1054</u>	<u>11/25</u>
Initial Shut-In	<u>1055</u>	<u>11/25</u>
Start Flow	<u>1134</u>	<u>11/25</u>
Final Shut-In	<u>2112</u>	<u>11/25</u>
Packer Unseated	<u>2129</u>	<u>11/25</u>

PRESSURE INFORMATION

Initial Hydrostatic Mud	_____
Initial Draw Down	_____
Initial Build-Up	_____
Final Flow	_____
Final Build-Up	_____
Final Hydrostatic Mud	_____
Mud Weight	_____

TIME OF SURFACE NULLS

Start End
 Top Gauge 204 0804:25 2306:14 Bottom Gauge 196 0810:16 2339:14
 Remarks Annulus Test run before D.P. Test

MPC

JOB NUMBER
SPG-11210-H

DATE OF JOB

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

PREPARED FOR
ATLANTIC RICHFIELD COMPANY

WELL NUMBER FEDERAL SG-17
FIELD/LEASE TRACT C-B SORGHUM GULCH
COUNTY/PARISH RIO BLANCO
STATE COLORADO
TYPE OF TEST DRILL STEM
REFERENCE ELEV GROUND LEVEL

ADDITIONAL INFORMATION

USED GAUGE NO. 196 WITH 1000 LB. ELEMENT
GAUGE DEPTH IS 1219.89 FEET INSIDE DP
GROUND LEVEL REFERENCE IS 7036 FEET
INITIAL HYDROSTATIC IS 325.72
FINAL HYDROSTATIC IS 335.53
TEST INTERVAL IS FROM 1200 FEET
(PACKER DEPTH) TO 1224 FEET (TD)
INSIDE DP

II B-623

586 POINTS REPORTED THIS JOB

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DATE OF JOB

GAUGE/RUN NUMBER
196 RUN NO. 8 DST NO. 11

DATE OF RUN
12-9-74

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0.000	117.923	10 55	NOV 25, 1974	INITIAL SHUT IN
.017	223.724	10 56	NOV 25, 1974	
.033	216.490	10 57	NOV 25, 1974	
.050	221.226	10 58	NOV 25, 1974	
.067	224.105	10 59	NOV 25, 1974	
.083	225.533	11 00	NOV 25, 1974	
.100	226.937	11 01	NOV 25, 1974	
.117	227.627	11 02	NOV 25, 1974	
.133	227.627	11 03	NOV 25, 1974	
.150	228.460	11 04	NOV 25, 1974	
.167	228.627	11 05	NOV 25, 1974	
.183	228.960	11 06	NOV 25, 1974	
.200	229.055	11 07	NOV 25, 1974	
.217	229.174	11 08	NOV 25, 1974	
.233	229.341	11 09	NOV 25, 1974	
.250	229.341	11 10	NOV 25, 1974	
.267	229.626	11 11	NOV 25, 1974	
.283	229.388	11 12	NOV 25, 1974	
.300	229.602	11 13	NOV 25, 1974	
.317	229.793	11 14	NOV 25, 1974	
.333	229.721	11 15	NOV 25, 1974	
.350	229.317	11 16	NOV 25, 1974	
.367	229.579	11 17	NOV 25, 1974	
.383	229.816	11 18	NOV 25, 1974	
.400	229.579	11 19	NOV 25, 1974	
.417	229.745	11 20	NOV 25, 1974	
.433	229.912	11 21	NOV 25, 1974	
.450	230.007	11 22	NOV 25, 1974	
.467	229.697	11 23	NOV 25, 1974	
.483	229.793	11 24	NOV 25, 1974	
.500	230.078	11 25	NOV 25, 1974	END SHUT-IN

II B-624

31 POINTS REPORTED THIS RUN

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196 RUN NO, 8 DST NO, 11

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SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0,000	230,078	11 34	NOV 25,1974	START FLOW
,016	42,867	11 35	NOV 25,1974	
,033	64,356	11 36	NOV 25,1974	
,049	85,678	11 37	NOV 25,1974	
,066	99,766	11 38	NOV 25,1974	
,082	112,545	11 39	NOV 25,1974	
,099	123,753	11 40	NOV 25,1974	
,115	133,914	11 41	NOV 25,1974	
,132	146,075	11 42	NOV 25,1974	
,148	156,783	11 43	NOV 25,1974	
,165	166,707	11 44	NOV 25,1974	
,181	174,917	11 45	NOV 25,1974	
,198	180,723	11 46	NOV 25,1974	
,214	185,649	11 47	NOV 25,1974	
,231	191,884	11 48	NOV 25,1974	
,247	197,238	11 49	NOV 25,1974	
,263	201,617	11 50	NOV 25,1974	
,280	205,996	11 51	NOV 25,1974	
,296	209,565	11 52	NOV 25,1974	
,313	212,540	11 53	NOV 25,1974	
,329	215,229	11 54	NOV 25,1974	
,346	217,656	11 55	NOV 25,1974	
,362	219,703	11 56	NOV 25,1974	
,379	221,488	11 57	NOV 25,1974	
,395	222,511	11 58	NOV 25,1974	
,412	223,415	11 59	NOV 25,1974	
,428	224,058	12 00	NOV 25,1974	
,445	225,176	12 01	NOV 25,1974	
,461	225,914	12 02	NOV 25,1974	
,478	226,818	12 03	NOV 25,1974	
,494	227,246	12 04	NOV 25,1974	
,510	227,699	12 05	NOV 25,1974	
,527	227,889	12 06	NOV 25,1974	
,543	228,222	12 07	NOV 25,1974	
,560	228,674	12 08	NOV 25,1974	
,576	229,007	12 09	NOV 25,1974	
,593	229,007	12 10	NOV 25,1974	
,609	229,245	12 11	NOV 25,1974	
,626	229,412	12 12	NOV 25,1974	
,642	229,531	12 13	NOV 25,1974	

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PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
.659	229.579	12 14	NOV 25, 1974	
.675	229.626	12 15	NOV 25, 1974	
.692	229.816	12 15	NOV 25, 1974	
.708	229.840	12 16	NOV 25, 1974	
.725	229.626	12 17	NOV 25, 1974	
.741	230.054	12 18	NOV 25, 1974	
.757	229.983	12 19	NOV 25, 1974	
.774	230.078	12 20	NOV 25, 1974	
.790	229.912	12 21	NOV 25, 1974	
.807	230.173	12 22	NOV 25, 1974	
.823	230.221	12 23	NOV 25, 1974	
.840	230.078	12 24	NOV 25, 1974	
.856	229.745	12 25	NOV 25, 1974	
.873	230.031	12 26	NOV 25, 1974	
.889	230.221	12 27	NOV 25, 1974	
.906	230.126	12 28	NOV 25, 1974	
.922	230.221	12 29	NOV 25, 1974	
.939	230.126	12 30	NOV 25, 1974	
.955	230.078	12 31	NOV 25, 1974	
.972	230.221	12 32	NOV 25, 1974	
.988	230.197	12 33	NOV 25, 1974	
1.005	230.245	12 34	NOV 25, 1974	
1.021	230.411	12 35	NOV 25, 1974	
1.037	230.031	12 36	NOV 25, 1974	
1.054	230.388	12 37	NOV 25, 1974	
1.070	230.245	12 38	NOV 25, 1974	
1.087	230.530	12 39	NOV 25, 1974	
1.103	230.388	12 40	NOV 25, 1974	
1.120	230.578	12 41	NOV 25, 1974	
1.136	230.364	12 42	NOV 25, 1974	
1.153	230.435	12 43	NOV 25, 1974	
1.169	230.340	12 44	NOV 25, 1974	
1.186	230.340	12 45	NOV 25, 1974	
1.202	230.340	12 46	NOV 25, 1974	
1.219	230.649	12 47	NOV 25, 1974	
1.235	230.507	12 48	NOV 25, 1974	
1.252	230.530	12 49	NOV 25, 1974	
1.268	230.626	12 50	NOV 25, 1974	
1.284	230.507	12 51	NOV 25, 1974	
1.301	230.578	12 52	NOV 25, 1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
1.317	230.602	12 53	NOV 25, 1974	
1.334	230.602	12 54	NOV 25, 1974	
1.350	230.602	12 55	NOV 25, 1974	
1.367	230.626	12 56	NOV 25, 1974	
1.383	230.316	12 57	NOV 25, 1974	
1.400	230.697	12 58	NOV 25, 1974	
1.416	230.554	12 59	NOV 25, 1974	
1.433	230.507	13 00	NOV 25, 1974	
1.449	230.435	13 01	NOV 25, 1974	
1.466	230.745	13 02	NOV 25, 1974	
1.482	230.745	13 03	NOV 25, 1974	
1.499	230.459	13 04	NOV 25, 1974	
1.515	230.483	13 05	NOV 25, 1974	
1.531	230.721	13 06	NOV 25, 1974	
1.548	230.316	13 07	NOV 25, 1974	
1.564	230.602	13 08	NOV 25, 1974	
1.581	230.578	13 09	NOV 25, 1974	
1.597	230.602	13 10	NOV 25, 1974	
1.614	230.721	13 11	NOV 25, 1974	
1.630	230.721	13 12	NOV 25, 1974	
1.647	230.673	13 13	NOV 25, 1974	
1.663	230.816	13 14	NOV 25, 1974	
1.680	230.864	13 15	NOV 25, 1974	
1.696	230.697	13 16	NOV 25, 1974	
1.713	230.792	13 17	NOV 25, 1974	
1.729	230.816	13 18	NOV 25, 1974	
1.746	230.840	13 19	NOV 25, 1974	
1.762	230.887	13 20	NOV 25, 1974	
1.778	230.840	13 21	NOV 25, 1974	
1.795	230.768	13 22	NOV 25, 1974	
1.811	231.102	13 23	NOV 25, 1974	
1.828	230.959	13 24	NOV 25, 1974	
1.844	230.911	13 25	NOV 25, 1974	
1.861	230.959	13 26	NOV 25, 1974	
1.877	230.935	13 27	NOV 25, 1974	
1.894	231.102	13 28	NOV 25, 1974	
1.910	231.030	13 29	NOV 25, 1974	
1.927	231.102	13 30	NOV 25, 1974	
1.943	230.935	13 31	NOV 25, 1974	
1.960	231.173	13 32	NOV 25, 1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
1,976	230,840	13 33	NOV 25, 1974	
1,993	231,173	13 34	NOV 25, 1974	
2,009	231,125	13 35	NOV 25, 1974	
2,025	231,054	13 36	NOV 25, 1974	
2,042	230,602	13 37	NOV 25, 1974	
2,058	231,102	13 38	NOV 25, 1974	
2,075	231,149	13 38	NOV 25, 1974	
2,091	231,006	13 39	NOV 25, 1974	
2,108	230,721	13 40	NOV 25, 1974	
2,124	230,840	13 41	NOV 25, 1974	
2,141	231,054	13 42	NOV 25, 1974	
2,157	230,959	13 43	NOV 25, 1974	
2,174	230,816	13 44	NOV 25, 1974	
2,190	231,102	13 45	NOV 25, 1974	
2,207	231,078	13 46	NOV 25, 1974	
2,223	231,125	13 47	NOV 25, 1974	
2,240	231,125	13 48	NOV 25, 1974	
2,256	231,316	13 49	NOV 25, 1974	
2,272	231,268	13 50	NOV 25, 1974	
2,289	231,268	13 51	NOV 25, 1974	
2,305	231,339	13 52	NOV 25, 1974	
2,322	231,220	13 53	NOV 25, 1974	
2,338	231,125	13 54	NOV 25, 1974	
2,355	231,030	13 55	NOV 25, 1974	
2,371	231,220	13 56	NOV 25, 1974	
2,388	231,125	13 57	NOV 25, 1974	
2,404	231,316	13 58	NOV 25, 1974	
2,421	231,316	13 59	NOV 25, 1974	
2,437	231,197	14 00	NOV 25, 1974	
2,454	231,244	14 01	NOV 25, 1974	
2,470	231,411	14 02	NOV 25, 1974	
2,487	231,244	14 03	NOV 25, 1974	
2,503	231,339	14 04	NOV 25, 1974	
2,519	231,339	14 05	NOV 25, 1974	
2,536	231,316	14 06	NOV 25, 1974	
2,552	231,339	14 07	NOV 25, 1974	
2,569	231,244	14 08	NOV 25, 1974	
2,585	231,601	14 09	NOV 25, 1974	
2,602	231,792	14 10	NOV 25, 1974	
2,618	231,839	14 11	NOV 25, 1974	

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SPERRY-SUN
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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
2,635	231,958	14 12	NOV 25,1974	
2,651	231,649	14 13	NOV 25,1974	
2,668	232,220	14 14	NOV 25,1974	
2,684	231,911	14 15	NOV 25,1974	
2,701	232,101	14 16	NOV 25,1974	
2,717	231,911	14 17	NOV 25,1974	
2,734	232,149	14 18	NOV 25,1974	
2,750	231,744	14 19	NOV 25,1974	
2,766	231,934	14 20	NOV 25,1974	
2,783	232,053	14 21	NOV 25,1974	
2,799	232,053	14 22	NOV 25,1974	
2,816	232,101	14 23	NOV 25,1974	
2,832	232,149	14 24	NOV 25,1974	
2,849	232,172	14 25	NOV 25,1974	
2,865	232,053	14 26	NOV 25,1974	
2,882	232,220	14 27	NOV 25,1974	
2,898	232,220	14 28	NOV 25,1974	
2,915	231,982	14 29	NOV 25,1974	
2,931	231,411	14 30	NOV 25,1974	
2,948	231,696	14 31	NOV 25,1974	START AIR JET
2,964	231,720	14 32	NOV 25,1974	DOWN DP
2,981	231,673	14 33	NOV 25,1974	
2,997	231,530	14 34	NOV 25,1974	
3,014	231,768	14 35	NOV 25,1974	
3,030	231,625	14 36	NOV 25,1974	
3,046	231,554	14 37	NOV 25,1974	
3,063	231,792	14 38	NOV 25,1974	
3,079	231,554	14 39	NOV 25,1974	
3,096	231,744	14 40	NOV 25,1974	
3,112	231,530	14 41	NOV 25,1974	
3,129	231,625	14 42	NOV 25,1974	
3,145	231,577	14 43	NOV 25,1974	
3,162	231,601	14 44	NOV 25,1974	
3,178	231,673	14 45	NOV 25,1974	
3,195	231,815	14 46	NOV 25,1974	
3,211	232,672	14 47	NOV 25,1974	
3,228	232,101	14 48	NOV 25,1974	
3,244	217,418	14 49	NOV 25,1974	
3,261	194,668	14 50	NOV 25,1974	
3,277	186,435	14 51	NOV 25,1974	

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SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
3.293	192.622	14 52	NOV 25, 1974	
3.310	195.501	14 53	NOV 25, 1974	
3.326	191.170	14 54	NOV 25, 1974	
3.343	190.385	14 55	NOV 25, 1974	
3.359	189.861	14 56	NOV 25, 1974	
3.376	189.909	14 57	NOV 25, 1974	
3.392	189.266	14 58	NOV 25, 1974	
3.409	189.576	14 59	NOV 25, 1974	
3.425	188.624	15 00	NOV 25, 1974	
3.442	188.695	15 00	NOV 25, 1974	
3.458	188.433	15 01	NOV 25, 1974	
3.475	188.338	15 02	NOV 25, 1974	
3.491	187.434	15 03	NOV 25, 1974	
3.508	188.267	15 04	NOV 25, 1974	
3.524	188.243	15 05	NOV 25, 1974	
3.540	188.219	15 06	NOV 25, 1974	
3.557	187.743	15 07	NOV 25, 1974	
3.573	187.839	15 08	NOV 25, 1974	
3.590	187.624	15 09	NOV 25, 1974	
3.606	187.196	15 10	NOV 25, 1974	
3.623	187.553	15 11	NOV 25, 1974	
3.639	187.767	15 12	NOV 25, 1974	
3.656	187.862	15 13	NOV 25, 1974	
3.672	187.553	15 14	NOV 25, 1974	
3.689	187.577	15 15	NOV 25, 1974	
3.705	187.505	15 16	NOV 25, 1974	
3.722	187.720	15 17	NOV 25, 1974	
3.738	187.815	15 18	NOV 25, 1974	
3.755	187.648	15 19	NOV 25, 1974	
3.771	187.434	15 20	NOV 25, 1974	
3.787	187.434	15 21	NOV 25, 1974	
3.804	187.815	15 22	NOV 25, 1974	
3.820	187.244	15 23	NOV 25, 1974	
3.837	187.458	15 24	NOV 25, 1974	
3.853	187.482	15 25	NOV 25, 1974	
3.870	186.839	15 26	NOV 25, 1974	
3.886	186.435	15 27	NOV 25, 1974	
3.903	187.886	15 28	NOV 25, 1974	
3.919	187.553	15 29	NOV 25, 1974	
3.936	187.553	15 30	NOV 25, 1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
3,952	186,839	15 31	NOV 25,1974	END JETTING
3,969	186,435	15 32	NOV 25,1974	
3,985	187,434	15 33	NOV 25,1974	
4,002	187,624	15 34	NOV 25,1974	
4,018	187,482	15 35	NOV 25,1974	
4,034	187,482	15 36	NOV 25,1974	
4,051	185,340	15 37	NOV 25,1974	
4,067	187,339	15 38	NOV 25,1974	
4,084	187,267	15 39	NOV 25,1974	
4,100	187,053	15 40	NOV 25,1974	
4,117	187,767	15 41	NOV 25,1974	
4,133	187,648	15 42	NOV 25,1974	
4,150	187,148	15 43	NOV 25,1974	
4,166	186,863	15 44	NOV 25,1974	
4,183	186,982	15 45	NOV 25,1974	
4,199	187,291	15 46	NOV 25,1974	
4,216	187,148	15 47	NOV 25,1974	
4,232	164,161	15 48	NOV 25,1974	
4,249	159,163	15 49	NOV 25,1974	
4,265	164,660	15 50	NOV 25,1974	
4,281	176,678	15 51	NOV 25,1974	
4,298	187,815	15 52	NOV 25,1974	
4,314	195,763	15 53	NOV 25,1974	
4,331	201,736	15 54	NOV 25,1974	
4,347	205,663	15 55	NOV 25,1974	
4,364	209,042	15 56	NOV 25,1974	
4,380	213,397	15 57	NOV 25,1974	
4,397	216,681	15 58	NOV 25,1974	
4,413	219,132	15 59	NOV 25,1974	
4,430	221,773	16 00	NOV 25,1974	
4,446	222,963	16 01	NOV 25,1974	
4,463	224,462	16 02	NOV 25,1974	
4,479	225,676	16 03	NOV 25,1974	
4,496	226,295	16 04	NOV 25,1974	
4,512	226,794	16 05	NOV 25,1974	
4,528	227,651	16 06	NOV 25,1974	
4,545	227,722	16 07	NOV 25,1974	
4,561	228,817	16 08	NOV 25,1974	
4,578	229,436	16 09	NOV 25,1974	
4,594	229,198	16 10	NOV 25,1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
4.611	229.674	16 11	NOV 25, 1974	
4.627	229.697	16 12	NOV 25, 1974	
4.644	229.840	16 13	NOV 25, 1974	
4.660	230.340	16 14	NOV 25, 1974	
4.677	230.007	16 15	NOV 25, 1974	
4.693	230.649	16 16	NOV 25, 1974	
4.710	230.626	16 17	NOV 25, 1974	
4.726	230.578	16 18	NOV 25, 1974	
4.743	230.887	16 19	NOV 25, 1974	
4.759	230.816	16 20	NOV 25, 1974	
4.775	230.459	16 21	NOV 25, 1974	
4.792	230.864	16 22	NOV 25, 1974	
4.808	230.697	16 23	NOV 25, 1974	
4.825	231.030	16 23	NOV 25, 1974	
4.841	231.149	16 24	NOV 25, 1974	
4.858	231.197	16 25	NOV 25, 1974	
4.874	231.339	16 26	NOV 25, 1974	
4.891	231.554	16 27	NOV 25, 1974	
4.907	231.601	16 28	NOV 25, 1974	
4.924	231.506	16 29	NOV 25, 1974	
4.940	231.577	16 30	NOV 25, 1974	
4.957	231.720	16 31	NOV 25, 1974	
4.973	231.839	16 32	NOV 25, 1974	
4.990	231.673	16 33	NOV 25, 1974	
5.006	231.768	16 34	NOV 25, 1974	
5.023	231.887	16 35	NOV 25, 1974	
5.039	231.744	16 36	NOV 25, 1974	
5.055	231.744	16 37	NOV 25, 1974	
5.072	231.768	16 38	NOV 25, 1974	
5.088	231.887	16 39	NOV 25, 1974	
5.105	231.958	16 40	NOV 25, 1974	
5.121	231.839	16 41	NOV 25, 1974	
5.138	231.863	16 42	NOV 25, 1974	
5.154	232.006	16 43	NOV 25, 1974	
5.171	232.053	16 44	NOV 25, 1974	
5.187	232.077	16 45	NOV 25, 1974	
5.204	231.934	16 46	NOV 25, 1974	
5.220	232.077	16 47	NOV 25, 1974	
5.237	232.101	16 48	NOV 25, 1974	
5.253	232.149	16 49	NOV 25, 1974	

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5,270	231,958	16 50	NOV 25,1974	
5,286	232,125	16 51	NOV 25,1974	
5,302	232,101	16 52	NOV 25,1974	
5,319	232,125	16 53	NOV 25,1974	
5,335	232,125	16 54	NOV 25,1974	
5,352	232,101	16 55	NOV 25,1974	
5,368	232,149	16 56	NOV 25,1974	
5,385	232,172	16 57	NOV 25,1974	
5,401	232,172	16 58	NOV 25,1974	
5,418	232,363	16 59	NOV 25,1974	
5,434	232,291	17 00	NOV 25,1974	
5,451	232,220	17 01	NOV 25,1974	
5,467	232,291	17 02	NOV 25,1974	
5,484	232,244	17 03	NOV 25,1974	
5,500	232,291	17 04	NOV 25,1974	
5,517	232,172	17 05	NOV 25,1974	
5,533	232,363	17 06	NOV 25,1974	
5,549	232,196	17 07	NOV 25,1974	
5,566	232,244	17 08	NOV 25,1974	
5,582	232,339	17 09	NOV 25,1974	
5,599	232,220	17 10	NOV 25,1974	
5,615	232,601	17 11	NOV 25,1974	
5,632	232,553	17 12	NOV 25,1974	
5,648	232,434	17 13	NOV 25,1974	
5,665	232,363	17 14	NOV 25,1974	
5,681	232,506	17 15	NOV 25,1974	
5,698	232,291	17 16	NOV 25,1974	
5,714	232,506	17 17	NOV 25,1974	
5,731	232,339	17 18	NOV 25,1974	
5,747	232,482	17 19	NOV 25,1974	
5,764	232,482	17 20	NOV 25,1974	
5,780	232,339	17 21	NOV 25,1974	
5,796	232,482	17 22	NOV 25,1974	
5,813	232,553	17 23	NOV 25,1974	
5,829	232,410	17 24	NOV 25,1974	
5,846	232,577	17 25	NOV 25,1974	
5,862	232,363	17 26	NOV 25,1974	
5,879	232,363	17 27	NOV 25,1974	
5,895	232,506	17 28	NOV 25,1974	
5,912	232,434	17 29	NOV 25,1974	

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5,928	232,434	17 30	NOV 25,1974	
5,945	232,529	17 31	NOV 25,1974	
5,961	232,577	17 32	NOV 25,1974	START 20 GPM
5,978	232,553	17 33	NOV 25,1974	DOWN ANNULUS
5,994	232,553	17 34	NOV 25,1974	
6,011	232,553	17 35	NOV 25,1974	
6,027	232,720	17 36	NOV 25,1974	
6,043	232,410	17 37	NOV 25,1974	
6,060	232,553	17 38	NOV 25,1974	
6,076	232,553	17 39	NOV 25,1974	
6,093	232,672	17 40	NOV 25,1974	
6,109	232,529	17 41	NOV 25,1974	
6,126	232,601	17 42	NOV 25,1974	
6,142	232,577	17 43	NOV 25,1974	
6,159	232,672	17 44	NOV 25,1974	
6,175	232,577	17 45	NOV 25,1974	
6,192	232,458	17 46	NOV 25,1974	
6,208	232,862	17 46	NOV 25,1974	
6,225	232,482	17 47	NOV 25,1974	
6,241	232,862	17 48	NOV 25,1974	
6,258	232,577	17 49	NOV 25,1974	
6,274	232,529	17 50	NOV 25,1974	
6,290	232,553	17 51	NOV 25,1974	
6,307	232,696	17 52	NOV 25,1974	
6,323	232,577	17 53	NOV 25,1974	
6,340	232,791	17 54	NOV 25,1974	
6,356	233,005	17 55	NOV 25,1974	
6,373	233,243	17 56	NOV 25,1974	
6,389	233,243	17 57	NOV 25,1974	
6,406	233,624	17 58	NOV 25,1974	
6,422	233,862	17 59	NOV 25,1974	
6,439	234,267	18 00	NOV 25,1974	START 40 GPM
6,455	234,267	18 01	NOV 25,1974	DOWN ANNULUS
6,472	234,457	18 02	NOV 25,1974	
6,488	234,576	18 03	NOV 25,1974	
6,505	234,909	18 04	NOV 25,1974	
6,521	234,933	18 05	NOV 25,1974	
6,537	235,052	18 06	NOV 25,1974	
6,554	235,218	18 07	NOV 25,1974	
6,570	235,290	18 08	NOV 25,1974	

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6.587	235.385	18 09	NOV 25, 1974	
6.603	235.433	18 10	NOV 25, 1974	
6.620	235.552	18 11	NOV 25, 1974	
6.636	235.647	18 12	NOV 25, 1974	
6.653	235.671	18 13	NOV 25, 1974	
6.669	235.742	18 14	NOV 25, 1974	
6.686	235.980	18 15	NOV 25, 1974	
6.702	235.837	18 16	NOV 25, 1974	
6.719	235.932	18 17	NOV 25, 1974	
6.735	236.075	18 18	NOV 25, 1974	
6.752	236.146	18 19	NOV 25, 1974	
6.768	236.027	18 20	NOV 25, 1974	
6.785	235.361	18 21	NOV 25, 1974	
6.801	236.337	18 22	NOV 25, 1974	
6.817	236.361	18 23	NOV 25, 1974	
6.834	236.384	18 24	NOV 25, 1974	
6.850	236.480	18 25	NOV 25, 1974	
6.867	236.789	18 26	NOV 25, 1974	
6.883	237.098	18 27	NOV 25, 1974	
6.900	237.051	18 28	NOV 25, 1974	
6.916	237.360	18 29	NOV 25, 1974	
6.933	237.788	18 30	NOV 25, 1974	
6.949	238.241	18 31	NOV 25, 1974	
6.966	238.360	18 32	NOV 25, 1974	
6.982	238.526	18 33	NOV 25, 1974	
6.999	239.026	18 34	NOV 25, 1974	
7.015	239.359	18 35	NOV 25, 1974	START 55 GPM
7.032	239.692	18 36	NOV 25, 1974	DOWN ANNULUS
7.048	239.906	18 37	NOV 25, 1974	
7.064	240.049	18 38	NOV 25, 1974	
7.081	240.192	18 39	NOV 25, 1974	
7.097	240.525	18 40	NOV 25, 1974	
7.114	240.858	18 41	NOV 25, 1974	
7.130	240.953	18 42	NOV 25, 1974	END 55 GPM
7.147	240.953	18 43	NOV 25, 1974	DOWN ANNULUS
7.163	241.120	18 44	NOV 25, 1974	
7.180	241.501	18 45	NOV 25, 1974	
7.196	241.525	18 46	NOV 25, 1974	
7.213	241.739	18 47	NOV 25, 1974	
7.229	241.882	18 48	NOV 25, 1974	

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7.246	242.024	18 49	NOV 25, 1974	
7.262	242.167	18 50	NOV 25, 1974	
7.279	242.334	18 51	NOV 25, 1974	
7.295	242.643	18 52	NOV 25, 1974	
7.311	243.190	18 53	NOV 25, 1974	
7.328	242.929	18 54	NOV 25, 1974	
7.344	243.238	18 55	NOV 25, 1974	
7.361	243.071	18 56	NOV 25, 1974	
7.377	243.286	18 57	NOV 25, 1974	
7.394	243.214	18 58	NOV 25, 1974	
7.410	243.476	18 59	NOV 25, 1974	
7.427	243.762	19 00	NOV 25, 1974	
7.443	243.666	19 01	NOV 25, 1974	
7.460	243.809	19 02	NOV 25, 1974	
7.476	244.023	19 03	NOV 25, 1974	
7.493	244.071	19 04	NOV 25, 1974	
7.509	244.309	19 05	NOV 25, 1974	
7.526	244.618	19 06	NOV 25, 1974	
7.542	245.237	19 07	NOV 25, 1974	
7.558	245.142	19 08	NOV 25, 1974	
7.575	245.832	19 08	NOV 25, 1974	
7.591	245.737	19 09	NOV 25, 1974	
7.608	245.832	19 10	NOV 25, 1974	
7.624	245.475	19 11	NOV 25, 1974	
7.641	245.213	19 12	NOV 25, 1974	
7.657	244.904	19 13	NOV 25, 1974	
7.674	244.071	19 14	NOV 25, 1974	
7.690	244.118	19 15	NOV 25, 1974	
7.707	243.167	19 16	NOV 25, 1974	
7.723	242.595	19 17	NOV 25, 1974	
7.740	242.167	19 18	NOV 25, 1974	
7.756	241.644	19 19	NOV 25, 1974	
7.773	241.096	19 20	NOV 25, 1974	
7.789	240.073	19 21	NOV 25, 1974	
7.805	239.811	19 22	NOV 25, 1974	
7.822	239.787	19 23	NOV 25, 1974	
7.838	239.335	19 24	NOV 25, 1974	
7.855	239.002	19 25	NOV 25, 1974	
7.871	238.693	19 26	NOV 25, 1974	
7.888	238.264	19 27	NOV 25, 1974	

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7,904	238,169	19 28	NOV 25,1974	
7,921	237,741	19 29	NOV 25,1974	
7,937	237,646	19 30	NOV 25,1974	START 2,5 GPM
7,954	237,432	19 31	NOV 25,1974	DOWN DP
7,970	236,932	19 32	NOV 25,1974	
7,987	236,741	19 33	NOV 25,1974	
8,003	236,694	19 34	NOV 25,1974	
8,020	236,694	19 35	NOV 25,1974	
8,036	236,503	19 36	NOV 25,1974	
8,052	236,384	19 37	NOV 25,1974	
8,069	236,408	19 38	NOV 25,1974	
8,085	236,051	19 39	NOV 25,1974	
8,102	236,456	19 40	NOV 25,1974	
8,118	236,123	19 41	NOV 25,1974	
8,135	235,909	19 42	NOV 25,1974	
8,151	236,218	19 43	NOV 25,1974	
8,168	236,027	19 44	NOV 25,1974	
8,184	235,932	19 45	NOV 25,1974	START 5 GPM
8,201	236,099	19 46	NOV 25,1974	DOWN DP
8,217	235,956	19 47	NOV 25,1974	
8,234	235,766	19 48	NOV 25,1974	
8,250	235,813	19 49	NOV 25,1974	
8,267	235,694	19 50	NOV 25,1974	
8,283	235,837	19 51	NOV 25,1974	
8,299	235,694	19 52	NOV 25,1974	
8,316	235,694	19 53	NOV 25,1974	
8,332	235,813	19 54	NOV 25,1974	
8,349	235,647	19 55	NOV 25,1974	
8,365	235,456	19 56	NOV 25,1974	
8,382	235,575	19 57	NOV 25,1974	
8,398	235,575	19 58	NOV 25,1974	
8,415	235,742	19 59	NOV 25,1974	
8,431	235,552	20 00	NOV 25,1974	START 10 GPM
8,448	236,265	20 01	NOV 25,1974	DOWN DP
8,464	237,027	20 02	NOV 25,1974	
8,481	237,860	20 03	NOV 25,1974	
8,497	238,383	20 04	NOV 25,1974	
8,514	238,836	20 05	NOV 25,1974	
8,530	238,717	20 06	NOV 25,1974	
8,546	239,311	20 07	NOV 25,1974	

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8,563	239,597	20 08	NOV 25,1974	
8,579	239,787	20 09	NOV 25,1974	
8,596	240,025	20 10	NOV 25,1974	
8,612	240,097	20 11	NOV 25,1974	
8,629	240,097	20 12	NOV 25,1974	
8,645	240,216	20 13	NOV 25,1974	
8,662	240,811	20 14	NOV 25,1974	
8,678	242,358	20 15	NOV 25,1974	START 20 GPM
8,695	244,023	20 16	NOV 25,1974	DOWN DP
8,711	244,928	20 17	NOV 25,1974	
8,728	245,689	20 18	NOV 25,1974	
8,744	246,070	20 19	NOV 25,1974	
8,761	247,117	20 20	NOV 25,1974	
8,777	247,402	20 21	NOV 25,1974	
8,794	247,664	20 22	NOV 25,1974	
8,810	248,140	20 23	NOV 25,1974	
8,826	248,664	20 24	NOV 25,1974	
8,843	248,259	20 25	NOV 25,1974	
8,859	249,044	20 26	NOV 25,1974	
8,876	249,211	20 27	NOV 25,1974	
8,892	249,425	20 28	NOV 25,1974	
8,909	249,425	20 29	NOV 25,1974	
8,925	251,496	20 30	NOV 25,1974	START 55 GPM
8,942	256,017	20 31	NOV 25,1974	DOWN DP
8,958	259,277	20 31	NOV 25,1974	
8,975	262,038	20 32	NOV 25,1974	
8,991	264,394	20 33	NOV 25,1974	START 31 GPM
9,008	266,274	20 34	NOV 25,1974	DOWN DP
9,024	267,963	20 35	NOV 25,1974	
9,041	269,058	20 36	NOV 25,1974	
9,057	270,343	20 37	NOV 25,1974	
9,073	271,533	20 38	NOV 25,1974	
9,090	272,508	20 39	NOV 25,1974	
9,106	273,389	20 40	NOV 25,1974	
9,123	274,008	20 41	NOV 25,1974	
9,139	274,864	20 42	NOV 25,1974	
9,156	275,554	20 43	NOV 25,1974	
9,172	279,600	20 44	NOV 25,1974	
9,189	287,405	20 45	NOV 25,1974	END 31 GPM
9,205	293,902	20 46	NOV 25,1974	DOWN DP

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
9.222	297.995	20 47	NOV 25, 1974	
9.238	302.421	20 48	NOV 25, 1974	
9.255	307.133	20 49	NOV 25, 1974	
9.271	310.060	20 50	NOV 25, 1974	
9.288	312.963	20 51	NOV 25, 1974	
9.304	316.795	20 52	NOV 25, 1974	
9.320	322.910	20 53	NOV 25, 1974	
9.337	326.052	20 54	NOV 25, 1974	
9.353	328.979	20 55	NOV 25, 1974	
9.370	331.644	20 56	NOV 25, 1974	
9.386	333.738	20 57	NOV 25, 1974	
9.403	377.406	20 58	NOV 25, 1974	
9.419	386.615	20 59	NOV 25, 1974	
9.436	388.447	21 00	NOV 25, 1974	
9.452	396.039	21 01	NOV 25, 1974	
9.469	400.108	21 02	NOV 25, 1974	
9.485	403.963	21 03	NOV 25, 1974	
9.502	405.867	21 04	NOV 25, 1974	
9.518	407.937	21 05	NOV 25, 1974	
9.535	409.389	21 06	NOV 25, 1974	
9.551	410.507	21 07	NOV 25, 1974	
9.567	411.340	21 08	NOV 25, 1974	
9.584	412.102	21 09	NOV 25, 1974	
9.600	412.958	21 10	NOV 25, 1974	
9.617	413.387	21 11	NOV 25, 1974	
9.633	413.744	21 12	NOV 25, 1974	END TEST

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PREPARED FOR

ATLANTIC RICHFIELD COMPANY

WELL NUMBER FEDERAL SG-17
FIELD/LEASE TRACT C-B SORGHUM GULCH
COUNTY/PARISH RIO BLANCO
STATE COLORADO
TYPE OF TEST DRILL STEM
REFERENCE ELEV GROUND LEVEL

ADDITIONAL INFORMATION

USED GAUGE NO. 204 WITH 1000 LB. ELEMENT

GAUGE DEPTH IS 1159.15 FEET OUTSIDE

DP - INSIDE ANNULUS

GROUND LEVEL REFERENCE IS 7036 FEET

TEST INTERVAL IS FROM ZERO FEET

(SURFACE) TO 1200 FEET (PACKER DEPTH)

INSIDE ANNULUS

INITIAL HYDROSTATIC IS 308.87

FINAL HYDROSTATIC IS 314.02

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0,000	311,783	10 55	NOV 25,1974	INITIAL SHUTIN
,017	311,691	10 56	NOV 25,1974	
,033	311,805	10 57	NOV 25,1974	
,050	311,897	10 58	NOV 25,1974	
,067	311,920	10 59	NOV 25,1974	
,083	312,011	11 00	NOV 25,1974	
,100	312,080	11 01	NOV 25,1974	
,117	312,126	11 02	NOV 25,1974	
,133	312,126	11 03	NOV 25,1974	
,150	312,194	11 04	NOV 25,1974	
,167	312,194	11 05	NOV 25,1974	
,183	312,240	11 06	NOV 25,1974	
,200	312,263	11 07	NOV 25,1974	
,217	312,331	11 08	NOV 25,1974	
,233	312,331	11 09	NOV 25,1974	
,250	312,331	11 10	NOV 25,1974	
,267	312,354	11 11	NOV 25,1974	
,283	312,377	11 12	NOV 25,1974	
,300	312,377	11 13	NOV 25,1974	
,317	312,423	11 14	NOV 25,1974	
,333	312,423	11 15	NOV 25,1974	
,350	312,446	11 16	NOV 25,1974	
,367	312,446	11 17	NOV 25,1974	
,383	312,446	11 18	NOV 25,1974	
,400	312,446	11 19	NOV 25,1974	
,417	312,446	11 20	NOV 25,1974	
,433	312,469	11 21	NOV 25,1974	
,450	312,492	11 22	NOV 25,1974	
,467	312,469	11 23	NOV 25,1974	
,483	312,560	11 24	NOV 25,1974	
,500	312,514	11 25	NOV 25,1974	END SHUT-IN

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0.000	312.697	11 34	NOV 25, 1974	START FLOW
.016	312.514	11 35	NOV 25, 1974	
.033	312.446	11 36	NOV 25, 1974	
.049	312.217	11 37	NOV 25, 1974	
.066	312.103	11 38	NOV 25, 1974	
.082	312.103	11 39	NOV 25, 1974	
.099	312.011	11 40	NOV 25, 1974	
.115	311.966	11 41	NOV 25, 1974	
.132	311.851	11 42	NOV 25, 1974	
.148	311.897	11 43	NOV 25, 1974	
.164	311.897	11 44	NOV 25, 1974	
.181	311.897	11 45	NOV 25, 1974	
.197	311.897	11 46	NOV 25, 1974	
.214	311.943	11 47	NOV 25, 1974	
.230	311.988	11 48	NOV 25, 1974	
.247	312.011	11 49	NOV 25, 1974	
.263	312.057	11 50	NOV 25, 1974	
.279	312.103	11 51	NOV 25, 1974	
.296	312.194	11 52	NOV 25, 1974	
.312	312.194	11 53	NOV 25, 1974	
.329	312.263	11 54	NOV 25, 1974	
.345	312.309	11 55	NOV 25, 1974	
.362	312.400	11 56	NOV 25, 1974	
.378	312.423	11 57	NOV 25, 1974	
.395	312.446	11 58	NOV 25, 1974	
.411	312.492	11 59	NOV 25, 1974	
.427	312.537	12 00	NOV 25, 1974	
.444	312.583	12 01	NOV 25, 1974	
.460	312.606	12 02	NOV 25, 1974	
.477	312.675	12 03	NOV 25, 1974	
.493	312.720	12 04	NOV 25, 1974	
.510	312.697	12 05	NOV 25, 1974	
.526	312.743	12 06	NOV 25, 1974	
.542	312.858	12 07	NOV 25, 1974	
.559	312.880	12 08	NOV 25, 1974	
.575	312.835	12 09	NOV 25, 1974	
.592	312.858	12 10	NOV 25, 1974	
.608	312.858	12 10	NOV 25, 1974	
.625	312.903	12 11	NOV 25, 1974	
.641	312.949	12 12	NOV 25, 1974	

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SPERRY-SUN
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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
.658	312.926	12 13	NOV 25, 1974	
.674	312.903	12 14	NOV 25, 1974	
.690	312.949	12 15	NOV 25, 1974	
.707	312.972	12 16	NOV 25, 1974	
.723	312.995	12 17	NOV 25, 1974	
.740	313.018	12 18	NOV 25, 1974	
.756	313.063	12 19	NOV 25, 1974	
.773	313.018	12 20	NOV 25, 1974	
.789	312.995	12 21	NOV 25, 1974	
.806	313.063	12 22	NOV 25, 1974	
.822	313.086	12 23	NOV 25, 1974	
.838	313.063	12 24	NOV 25, 1974	
.855	313.063	12 25	NOV 25, 1974	
.871	313.086	12 26	NOV 25, 1974	
.888	313.132	12 27	NOV 25, 1974	
.904	313.132	12 28	NOV 25, 1974	
.921	313.132	12 29	NOV 25, 1974	
.937	313.155	12 30	NOV 25, 1974	
.953	313.155	12 31	NOV 25, 1974	
.970	313.155	12 32	NOV 25, 1974	
.986	313.155	12 33	NOV 25, 1974	
1.003	313.201	12 34	NOV 25, 1974	
1.019	313.201	12 35	NOV 25, 1974	
1.036	313.201	12 36	NOV 25, 1974	
1.052	313.201	12 37	NOV 25, 1974	
1.069	313.224	12 38	NOV 25, 1974	
1.085	313.246	12 39	NOV 25, 1974	
1.101	313.269	12 40	NOV 25, 1974	
1.118	313.269	12 41	NOV 25, 1974	
1.134	313.292	12 42	NOV 25, 1974	
1.151	313.315	12 43	NOV 25, 1974	
1.167	313.269	12 44	NOV 25, 1974	
1.184	313.269	12 45	NOV 25, 1974	
1.200	313.315	12 46	NOV 25, 1974	
1.216	313.315	12 47	NOV 25, 1974	
1.233	313.315	12 48	NOV 25, 1974	
1.249	313.338	12 49	NOV 25, 1974	
1.266	313.361	12 50	NOV 25, 1974	
1.282	313.361	12 51	NOV 25, 1974	
1.299	313.361	12 52	NOV 25, 1974	

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1.315	313.361	12 53	NOV 25, 1974	
1.332	313.407	12 54	NOV 25, 1974	
1.348	313.407	12 55	NOV 25, 1974	
1.364	313.429	12 56	NOV 25, 1974	
1.381	313.429	12 57	NOV 25, 1974	
1.397	313.429	12 58	NOV 25, 1974	
1.414	313.407	12 59	NOV 25, 1974	
1.430	313.429	13 00	NOV 25, 1974	
1.447	313.452	13 01	NOV 25, 1974	
1.463	313.475	13 02	NOV 25, 1974	
1.480	313.452	13 03	NOV 25, 1974	
1.496	313.429	13 04	NOV 25, 1974	
1.512	313.475	13 05	NOV 25, 1974	
1.529	313.498	13 06	NOV 25, 1974	
1.545	313.475	13 07	NOV 25, 1974	
1.562	313.475	13 08	NOV 25, 1974	
1.578	313.475	13 09	NOV 25, 1974	
1.595	313.475	13 10	NOV 25, 1974	
1.611	313.521	13 11	NOV 25, 1974	
1.627	313.521	13 12	NOV 25, 1974	
1.644	313.544	13 13	NOV 25, 1974	
1.660	313.567	13 14	NOV 25, 1974	
1.677	313.544	13 15	NOV 25, 1974	
1.693	313.589	13 16	NOV 25, 1974	
1.710	313.544	13 17	NOV 25, 1974	
1.726	313.612	13 18	NOV 25, 1974	
1.743	313.589	13 19	NOV 25, 1974	
1.759	313.589	13 20	NOV 25, 1974	
1.775	313.567	13 21	NOV 25, 1974	
1.792	313.589	13 22	NOV 25, 1974	
1.808	313.635	13 22	NOV 25, 1974	
1.825	313.612	13 23	NOV 25, 1974	
1.841	313.589	13 24	NOV 25, 1974	
1.858	313.635	13 25	NOV 25, 1974	
1.874	313.727	13 26	NOV 25, 1974	
1.891	313.658	13 27	NOV 25, 1974	
1.907	313.704	13 28	NOV 25, 1974	
1.923	313.681	13 29	NOV 25, 1974	
1.940	313.681	13 30	NOV 25, 1974	
1.956	313.681	13 31	NOV 25, 1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
1.973	313.658	13 32	NOV 25, 1974	
1.989	313.658	13 33	NOV 25, 1974	
2.006	313.704	13 34	NOV 25, 1974	
2.022	313.795	13 35	NOV 25, 1974	
2.038	313.727	13 36	NOV 25, 1974	
2.055	313.727	13 37	NOV 25, 1974	
2.071	313.750	13 38	NOV 25, 1974	
2.088	313.795	13 39	NOV 25, 1974	
2.104	313.750	13 40	NOV 25, 1974	
2.121	313.772	13 41	NOV 25, 1974	
2.137	313.772	13 42	NOV 25, 1974	
2.154	313.772	13 43	NOV 25, 1974	
2.170	313.750	13 44	NOV 25, 1974	
2.186	313.841	13 45	NOV 25, 1974	
2.203	313.818	13 46	NOV 25, 1974	
2.219	313.772	13 47	NOV 25, 1974	
2.236	313.772	13 48	NOV 25, 1974	
2.252	313.795	13 49	NOV 25, 1974	
2.269	313.818	13 50	NOV 25, 1974	
2.285	313.818	13 51	NOV 25, 1974	
2.301	313.818	13 52	NOV 25, 1974	
2.318	313.841	13 53	NOV 25, 1974	
2.334	313.841	13 54	NOV 25, 1974	
2.351	313.864	13 55	NOV 25, 1974	
2.367	313.841	13 56	NOV 25, 1974	
2.384	313.864	13 57	NOV 25, 1974	
2.400	313.864	13 58	NOV 25, 1974	
2.417	313.864	13 59	NOV 25, 1974	
2.433	313.841	14 00	NOV 25, 1974	
2.449	313.864	14 01	NOV 25, 1974	
2.466	313.910	14 02	NOV 25, 1974	
2.482	313.910	14 03	NOV 25, 1974	
2.499	313.887	14 04	NOV 25, 1974	
2.515	313.955	14 05	NOV 25, 1974	
2.532	313.978	14 06	NOV 25, 1974	
2.548	313.955	14 07	NOV 25, 1974	
2.565	313.933	14 08	NOV 25, 1974	
2.581	313.978	14 09	NOV 25, 1974	
2.597	313.933	14 10	NOV 25, 1974	
2.614	313.978	14 11	NOV 25, 1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
2.630	313.933	14 12	NOV 25, 1974	
2.647	313.955	14 13	NOV 25, 1974	
2.663	314.070	14 14	NOV 25, 1974	
2.680	314.001	14 15	NOV 25, 1974	
2.696	313.978	14 16	NOV 25, 1974	
2.712	314.070	14 17	NOV 25, 1974	
2.729	314.001	14 18	NOV 25, 1974	
2.745	314.047	14 19	NOV 25, 1974	
2.762	314.001	14 20	NOV 25, 1974	
2.778	314.047	14 21	NOV 25, 1974	
2.795	314.047	14 22	NOV 25, 1974	
2.811	314.093	14 23	NOV 25, 1974	
2.828	314.047	14 24	NOV 25, 1974	
2.844	314.047	14 25	NOV 25, 1974	
2.860	314.070	14 26	NOV 25, 1974	
2.877	314.093	14 27	NOV 25, 1974	
2.893	314.047	14 28	NOV 25, 1974	
2.910	314.093	14 29	NOV 25, 1974	
2.926	314.070	14 30	NOV 25, 1974	
2.943	314.070	14 31	NOV 25, 1974	START AIR JET
2.959	314.138	14 32	NOV 25, 1974	DOWN DP
2.975	314.093	14 33	NOV 25, 1974	
2.992	314.161	14 34	NOV 25, 1974	
3.008	314.276	14 35	NOV 25, 1974	
3.025	314.276	14 35	NOV 25, 1974	
3.041	314.093	14 36	NOV 25, 1974	
3.058	313.978	14 37	NOV 25, 1974	
3.074	313.887	14 38	NOV 25, 1974	
3.091	313.910	14 39	NOV 25, 1974	
3.107	313.772	14 40	NOV 25, 1974	
3.123	313.727	14 41	NOV 25, 1974	
3.140	313.772	14 42	NOV 25, 1974	
3.156	313.589	14 43	NOV 25, 1974	
3.173	313.589	14 44	NOV 25, 1974	
3.189	313.521	14 45	NOV 25, 1974	
3.206	313.452	14 46	NOV 25, 1974	
3.222	313.407	14 47	NOV 25, 1974	
3.239	313.475	14 48	NOV 25, 1974	
3.255	313.407	14 49	NOV 25, 1974	
3.271	313.407	14 50	NOV 25, 1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
3.288	313.384	14 51	NOV 25, 1974	
3.304	313.361	14 52	NOV 25, 1974	
3.321	313.384	14 53	NOV 25, 1974	
3.337	313.361	14 54	NOV 25, 1974	
3.354	313.292	14 55	NOV 25, 1974	
3.370	313.315	14 56	NOV 25, 1974	
3.386	313.361	14 57	NOV 25, 1974	
3.403	313.315	14 58	NOV 25, 1974	
3.419	313.246	14 59	NOV 25, 1974	
3.436	313.269	15 00	NOV 25, 1974	
3.452	313.315	15 01	NOV 25, 1974	
3.469	313.292	15 02	NOV 25, 1974	
3.485	313.269	15 03	NOV 25, 1974	
3.502	313.269	15 04	NOV 25, 1974	
3.518	313.338	15 05	NOV 25, 1974	
3.534	313.224	15 06	NOV 25, 1974	
3.551	313.201	15 07	NOV 25, 1974	
3.567	313.269	15 08	NOV 25, 1974	
3.584	313.269	15 09	NOV 25, 1974	
3.600	313.246	15 10	NOV 25, 1974	
3.617	313.224	15 11	NOV 25, 1974	
3.633	313.224	15 12	NOV 25, 1974	
3.649	313.269	15 13	NOV 25, 1974	
3.666	313.224	15 14	NOV 25, 1974	
3.682	313.224	15 15	NOV 25, 1974	
3.699	313.246	15 16	NOV 25, 1974	
3.715	313.269	15 17	NOV 25, 1974	
3.732	313.246	15 18	NOV 25, 1974	
3.748	313.224	15 19	NOV 25, 1974	
3.765	313.224	15 20	NOV 25, 1974	
3.781	313.315	15 21	NOV 25, 1974	
3.797	313.269	15 22	NOV 25, 1974	
3.814	313.224	15 23	NOV 25, 1974	
3.830	313.361	15 24	NOV 25, 1974	
3.847	313.246	15 25	NOV 25, 1974	
3.863	313.246	15 26	NOV 25, 1974	
3.880	313.246	15 27	NOV 25, 1974	
3.896	313.246	15 28	NOV 25, 1974	
3.913	313.292	15 29	NOV 25, 1974	
3.929	313.246	15 30	NOV 25, 1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
3.945	313.201	15 31	NOV 25, 1974	END JETTING
3.962	313.269	15 32	NOV 25, 1974	
3.978	313.269	15 33	NOV 25, 1974	
3.995	313.201	15 34	NOV 25, 1974	
4.011	313.201	15 35	NOV 25, 1974	
4.028	313.155	15 36	NOV 25, 1974	
4.044	313.201	15 37	NOV 25, 1974	
4.060	313.201	15 38	NOV 25, 1974	
4.077	313.224	15 39	NOV 25, 1974	
4.093	313.269	15 40	NOV 25, 1974	
4.110	313.384	15 41	NOV 25, 1974	
4.126	313.429	15 42	NOV 25, 1974	
4.143	313.452	15 43	NOV 25, 1974	
4.159	313.567	15 44	NOV 25, 1974	
4.176	313.612	15 45	NOV 25, 1974	
4.192	313.704	15 46	NOV 25, 1974	
4.208	313.704	15 47	NOV 25, 1974	
4.225	313.772	15 47	NOV 25, 1974	
4.241	313.841	15 48	NOV 25, 1974	
4.258	313.910	15 49	NOV 25, 1974	
4.274	313.933	15 50	NOV 25, 1974	
4.291	313.933	15 51	NOV 25, 1974	
4.307	314.047	15 52	NOV 25, 1974	
4.323	314.047	15 53	NOV 25, 1974	
4.340	314.047	15 54	NOV 25, 1974	
4.356	314.093	15 55	NOV 25, 1974	
4.373	314.138	15 56	NOV 25, 1974	
4.389	314.161	15 57	NOV 25, 1974	
4.406	314.138	15 58	NOV 25, 1974	
4.422	314.230	15 59	NOV 25, 1974	
4.439	314.253	16 00	NOV 25, 1974	
4.455	314.253	16 01	NOV 25, 1974	
4.471	314.230	16 02	NOV 25, 1974	
4.488	314.276	16 03	NOV 25, 1974	
4.504	314.299	16 04	NOV 25, 1974	
4.521	314.321	16 05	NOV 25, 1974	
4.537	314.276	16 06	NOV 25, 1974	
4.554	314.321	16 07	NOV 25, 1974	
4.570	314.390	16 08	NOV 25, 1974	
4.587	314.390	16 09	NOV 25, 1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
4.603	314.390	16 10	NOV 25, 1974	
4.619	314.344	16 11	NOV 25, 1974	
4.636	314.436	16 12	NOV 25, 1974	
4.652	314.436	16 13	NOV 25, 1974	
4.669	314.436	16 14	NOV 25, 1974	
4.685	314.436	16 15	NOV 25, 1974	
4.702	314.459	16 16	NOV 25, 1974	
4.718	314.482	16 17	NOV 25, 1974	
4.734	314.459	16 18	NOV 25, 1974	
4.751	314.459	16 19	NOV 25, 1974	
4.767	314.527	16 20	NOV 25, 1974	
4.784	314.550	16 21	NOV 25, 1974	
4.800	314.482	16 22	NOV 25, 1974	
4.817	314.527	16 23	NOV 25, 1974	
4.833	314.527	16 24	NOV 25, 1974	
4.850	314.527	16 25	NOV 25, 1974	
4.866	314.482	16 26	NOV 25, 1974	
4.882	314.527	16 27	NOV 25, 1974	
4.899	314.573	16 28	NOV 25, 1974	
4.915	314.596	16 29	NOV 25, 1974	
4.932	314.527	16 30	NOV 25, 1974	
4.948	314.596	16 31	NOV 25, 1974	
4.965	314.619	16 32	NOV 25, 1974	
4.981	314.573	16 33	NOV 25, 1974	
4.997	314.619	16 34	NOV 25, 1974	
5.014	314.642	16 35	NOV 25, 1974	
5.030	314.642	16 36	NOV 25, 1974	
5.047	314.642	16 37	NOV 25, 1974	
5.063	314.642	16 38	NOV 25, 1974	
5.080	314.642	16 39	NOV 25, 1974	
5.096	314.665	16 40	NOV 25, 1974	
5.113	314.665	16 41	NOV 25, 1974	
5.129	314.642	16 42	NOV 25, 1974	
5.145	314.665	16 43	NOV 25, 1974	
5.162	314.687	16 44	NOV 25, 1974	
5.178	314.687	16 45	NOV 25, 1974	
5.195	314.687	16 46	NOV 25, 1974	
5.211	314.733	16 47	NOV 25, 1974	
5.228	314.733	16 48	NOV 25, 1974	
5.244	314.733	16 49	NOV 25, 1974	

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5,261	314,733	16 50	NOV 25,1974	
5,277	314,733	16 51	NOV 25,1974	
5,293	314,756	16 52	NOV 25,1974	
5,310	314,779	16 53	NOV 25,1974	
5,326	314,756	16 54	NOV 25,1974	
5,343	314,756	16 55	NOV 25,1974	
5,359	314,756	16 56	NOV 25,1974	
5,376	314,779	16 57	NOV 25,1974	
5,392	314,733	16 58	NOV 25,1974	
5,408	314,848	16 59	NOV 25,1974	
5,425	314,825	16 59	NOV 25,1974	
5,441	314,802	17 00	NOV 25,1974	
5,458	314,802	17 01	NOV 25,1974	
5,474	314,848	17 02	NOV 25,1974	
5,491	314,870	17 03	NOV 25,1974	
5,507	314,848	17 04	NOV 25,1974	
5,524	314,825	17 05	NOV 25,1974	
5,540	314,848	17 06	NOV 25,1974	
5,556	314,848	17 07	NOV 25,1974	
5,573	314,848	17 08	NOV 25,1974	
5,589	314,848	17 09	NOV 25,1974	
5,606	314,848	17 10	NOV 25,1974	
5,622	314,916	17 11	NOV 25,1974	
5,639	314,916	17 12	NOV 25,1974	
5,655	314,848	17 13	NOV 25,1974	
5,672	314,848	17 14	NOV 25,1974	
5,688	314,916	17 15	NOV 25,1974	
5,704	314,893	17 16	NOV 25,1974	
5,721	314,893	17 17	NOV 25,1974	
5,737	314,962	17 18	NOV 25,1974	
5,754	314,962	17 19	NOV 25,1974	
5,770	314,962	17 20	NOV 25,1974	
5,787	314,893	17 21	NOV 25,1974	
5,803	314,962	17 22	NOV 25,1974	
5,819	314,985	17 23	NOV 25,1974	
5,836	314,985	17 24	NOV 25,1974	
5,852	314,962	17 25	NOV 25,1974	
5,869	314,985	17 26	NOV 25,1974	
5,885	314,985	17 27	NOV 25,1974	
5,902	314,985	17 28	NOV 25,1974	

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5,918	314,985	17 29	NOV 25,1974	
5,935	314,985	17 30	NOV 25,1974	
5,951	315,008	17 31	NOV 25,1974	
5,967	315,168	17 32	NOV 25,1974	START 20 GPM
5,984	315,831	17 33	NOV 25,1974	DOWN ANNULUS
6,000	317,524	17 34	NOV 25,1974	
6,017	318,553	17 35	NOV 25,1974	
6,033	319,239	17 36	NOV 25,1974	
6,050	319,811	17 37	NOV 25,1974	
6,066	321,092	17 38	NOV 25,1974	
6,082	320,794	17 39	NOV 25,1974	
6,099	321,115	17 40	NOV 25,1974	
6,115	321,343	17 41	NOV 25,1974	
6,132	321,549	17 42	NOV 25,1974	
6,148	321,732	17 43	NOV 25,1974	
6,165	321,755	17 44	NOV 25,1974	
6,181	321,778	17 45	NOV 25,1974	
6,198	321,847	17 46	NOV 25,1974	
6,214	321,961	17 47	NOV 25,1974	
6,230	322,098	17 48	NOV 25,1974	
6,247	322,258	17 49	NOV 25,1974	
6,263	322,418	17 50	NOV 25,1974	
6,280	322,556	17 51	NOV 25,1974	
6,296	322,601	17 52	NOV 25,1974	
6,313	322,716	17 53	NOV 25,1974	
6,329	322,876	17 54	NOV 25,1974	
6,346	322,944	17 55	NOV 25,1974	
6,362	323,036	17 56	NOV 25,1974	
6,378	323,127	17 57	NOV 25,1974	
6,395	323,219	17 58	NOV 25,1974	
6,411	323,265	17 59	NOV 25,1974	
6,428	323,356	18 00	NOV 25,1974	START 40 GPM
6,444	323,425	18 01	NOV 25,1974	DOWN ANNULUS
6,461	323,516	18 02	NOV 25,1974	
6,477	323,768	18 03	NOV 25,1974	
6,493	326,330	18 04	NOV 25,1974	
6,510	328,617	18 05	NOV 25,1974	
6,526	330,401	18 06	NOV 25,1974	
6,543	331,865	18 07	NOV 25,1974	
6,559	333,169	18 08	NOV 25,1974	

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6,576	334,244	18 09	NOV 25,1974	
6,592	335,136	18 10	NOV 25,1974	
6,609	335,913	18 11	NOV 25,1974	
6,625	336,531	18 11	NOV 25,1974	
6,641	337,217	18 12	NOV 25,1974	
6,658	337,903	18 13	NOV 25,1974	
6,674	338,452	18 14	NOV 25,1974	
6,691	339,116	18 15	NOV 25,1974	
6,707	339,596	18 16	NOV 25,1974	
6,724	340,099	18 17	NOV 25,1974	
6,740	340,488	18 18	NOV 25,1974	
6,756	340,968	18 19	NOV 25,1974	
6,773	341,426	18 20	NOV 25,1974	
6,789	341,815	18 21	NOV 25,1974	
6,806	342,272	18 22	NOV 25,1974	
6,822	342,638	18 23	NOV 25,1974	
6,839	343,004	18 24	NOV 25,1974	
6,855	343,324	18 25	NOV 25,1974	
6,872	343,713	18 26	NOV 25,1974	
6,888	343,987	18 27	NOV 25,1974	
6,904	344,399	18 28	NOV 25,1974	
6,921	344,628	18 29	NOV 25,1974	
6,937	344,902	18 30	NOV 25,1974	
6,954	345,200	18 31	NOV 25,1974	
6,970	345,497	18 32	NOV 25,1974	
6,987	345,726	18 33	NOV 25,1974	
7,003	345,932	18 34	NOV 25,1974	
7,020	346,252	18 35	NOV 25,1974	START 55 GPM
7,036	346,435	18 36	NOV 25,1974	DOWN ANNULUS
7,052	347,533	18 37	NOV 25,1974	
7,069	349,477	18 38	NOV 25,1974	
7,085	351,124	18 39	NOV 25,1974	
7,102	352,405	18 40	NOV 25,1974	
7,118	353,686	18 41	NOV 25,1974	
7,135	354,783	18 42	NOV 25,1974	END 55 GPM
7,151	355,698	18 43	NOV 25,1974	DOWN ANNULUS
7,167	356,522	18 44	NOV 25,1974	
7,184	355,218	18 45	NOV 25,1974	
7,200	350,140	18 46	NOV 25,1974	
7,217	344,880	18 47	NOV 25,1974	

JOB NUMBER
SPG-11210-H

DATE OF JOB
11-25-74

GAUGE/RUN NUMBER
204 RUN NO. 8 DST NO. 11

DATE OF RUN

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
7.233	340.328	18 48	NOV 25, 1974	
7.250	336.531	18 49	NOV 25, 1974	
7.266	333.420	18 50	NOV 25, 1974	
7.283	330.790	18 51	NOV 25, 1974	
7.299	328.480	18 52	NOV 25, 1974	
7.315	326.558	18 53	NOV 25, 1974	
7.332	325.026	18 54	NOV 25, 1974	
7.348	323.905	18 55	NOV 25, 1974	
7.365	322.876	18 56	NOV 25, 1974	
7.381	322.098	18 57	NOV 25, 1974	
7.398	321.503	18 58	NOV 25, 1974	
7.414	321.000	18 59	NOV 25, 1974	
7.430	320.589	19 00	NOV 25, 1974	
7.447	320.177	19 01	NOV 25, 1974	
7.463	319.857	19 02	NOV 25, 1974	
7.480	319.605	19 03	NOV 25, 1974	
7.496	319.353	19 04	NOV 25, 1974	
7.513	319.125	19 05	NOV 25, 1974	
7.529	318.942	19 06	NOV 25, 1974	
7.546	318.827	19 07	NOV 25, 1974	
7.562	318.690	19 08	NOV 25, 1974	
7.578	318.576	19 09	NOV 25, 1974	
7.595	318.461	19 10	NOV 25, 1974	
7.611	318.393	19 11	NOV 25, 1974	
7.628	318.324	19 12	NOV 25, 1974	
7.644	318.210	19 13	NOV 25, 1974	
7.661	318.141	19 14	NOV 25, 1974	
7.677	318.073	19 15	NOV 25, 1974	
7.694	318.073	19 16	NOV 25, 1974	
7.710	317.958	19 17	NOV 25, 1974	
7.726	317.912	19 18	NOV 25, 1974	
7.743	317.867	19 19	NOV 25, 1974	
7.759	317.844	19 20	NOV 25, 1974	
7.776	317.798	19 21	NOV 25, 1974	
7.792	317.752	19 22	NOV 25, 1974	
7.809	317.729	19 23	NOV 25, 1974	
7.825	317.707	19 24	NOV 25, 1974	
7.841	317.638	19 24	NOV 25, 1974	
7.858	317.615	19 25	NOV 25, 1974	
7.874	317.592	19 26	NOV 25, 1974	

JOB NUMBER
SPG-11210-H

DATE OF JOB
11-25-74

GAUGE/RUN NUMBER
204 RUN NO. 8 DST NO. 11

DATE OF RUN

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
7.891	317.592	19 27	NOV 25, 1974	
7.907	317.546	19 28	NOV 25, 1974	
7.924	317.478	19 29	NOV 25, 1974	
7.940	317.501	19 30	NOV 25, 1974	START 2.5 GPM
7.957	317.501	19 31	NOV 25, 1974	DOWN DP
7.973	317.455	19 32	NOV 25, 1974	
7.989	317.432	19 33	NOV 25, 1974	
8.006	317.432	19 34	NOV 25, 1974	
8.022	317.455	19 35	NOV 25, 1974	
8.039	317.409	19 36	NOV 25, 1974	
8.055	317.386	19 37	NOV 25, 1974	
8.072	317.409	19 38	NOV 25, 1974	
8.088	317.455	19 39	NOV 25, 1974	
8.104	317.432	19 40	NOV 25, 1974	
8.121	317.432	19 41	NOV 25, 1974	
8.137	317.432	19 42	NOV 25, 1974	
8.154	317.478	19 43	NOV 25, 1974	
8.170	317.455	19 44	NOV 25, 1974	
8.187	317.432	19 45	NOV 25, 1974	START 5 GPM
8.203	317.455	19 46	NOV 25, 1974	DOWN DP
8.220	317.455	19 47	NOV 25, 1974	
8.236	317.524	19 48	NOV 25, 1974	
8.252	317.478	19 49	NOV 25, 1974	
8.269	317.501	19 50	NOV 25, 1974	
8.285	317.546	19 51	NOV 25, 1974	
8.302	317.546	19 52	NOV 25, 1974	
8.318	317.569	19 53	NOV 25, 1974	
8.335	317.615	19 54	NOV 25, 1974	
8.351	317.661	19 55	NOV 25, 1974	
8.368	317.661	19 56	NOV 25, 1974	
8.384	317.638	19 57	NOV 25, 1974	
8.400	317.684	19 58	NOV 25, 1974	
8.417	317.684	19 59	NOV 25, 1974	
8.433	317.684	20 00	NOV 25, 1974	START 10 GPM
8.450	317.729	20 01	NOV 25, 1974	DOWN DP
8.466	317.752	20 02	NOV 25, 1974	
8.483	317.775	20 03	NOV 25, 1974	
8.499	317.775	20 04	NOV 25, 1974	
8.515	317.775	20 05	NOV 25, 1974	
8.532	317.844	20 06	NOV 25, 1974	

JOB NUMBER
SPG-11210-H

DATE OF JOB
11-25-74

GAUGE/RUN NUMBER
204 RUN NO, 8 DST NO, 11

DATE OF RUN

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
8,548	317,890	20 07	NOV 25,1974	
8,565	317,912	20 08	NOV 25,1974	
8,581	317,958	20 09	NOV 25,1974	
8,598	318,050	20 10	NOV 25,1974	
8,614	318,073	20 11	NOV 25,1974	
8,631	318,095	20 12	NOV 25,1974	
8,647	318,164	20 13	NOV 25,1974	
8,663	318,233	20 14	NOV 25,1974	
8,680	318,256	20 15	NOV 25,1974	START 20 GPM
8,696	318,301	20 16	NOV 25,1974	DOWN DP
8,713	318,347	20 17	NOV 25,1974	
8,729	318,393	20 18	NOV 25,1974	
8,746	318,416	20 19	NOV 25,1974	
8,762	318,461	20 20	NOV 25,1974	
8,778	318,530	20 21	NOV 25,1974	
8,795	318,622	20 22	NOV 25,1974	
8,811	318,644	20 23	NOV 25,1974	
8,828	318,736	20 24	NOV 25,1974	
8,844	318,759	20 25	NOV 25,1974	
8,861	318,827	20 26	NOV 25,1974	
8,877	318,942	20 27	NOV 25,1974	
8,894	318,965	20 28	NOV 25,1974	
8,910	319,079	20 29	NOV 25,1974	
8,926	319,102	20 30	NOV 25,1974	START 55 GPM
8,943	319,193	20 31	NOV 25,1974	DOWN DP
8,959	319,216	20 32	NOV 25,1974	
8,976	319,308	20 33	NOV 25,1974	START 31 GPM
8,992	319,445	20 34	NOV 25,1974	DOWN DP
9,009	319,605	20 35	NOV 25,1974	
9,025	319,994	20 36	NOV 25,1974	
9,042	320,200	20 36	NOV 25,1974	
9,058	320,474	20 37	NOV 25,1974	
9,074	320,703	20 38	NOV 25,1974	
9,091	320,817	20 39	NOV 25,1974	
9,107	320,840	20 40	NOV 25,1974	
9,124	320,817	20 41	NOV 25,1974	
9,140	320,817	20 42	NOV 25,1974	
9,157	320,749	20 43	NOV 25,1974	
9,173	320,772	20 44	NOV 25,1974	
9,189	320,772	20 45	NOV 25,1974	END 31 GPM

JOB NUMBER
SPG-11210-H

DATE OF JOB
11-25-74

GAUGE/RUN NUMBER
204 RUN NO. 8 DST NO. 11

DATE OF RUN

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
9.206	320.817	20 46	NOV 25, 1974	DOWN DP
9.222	320.817	20 47	NOV 25, 1974	
9.239	320.794	20 48	NOV 25, 1974	
9.255	320.772	20 49	NOV 25, 1974	
9.272	320.726	20 50	NOV 25, 1974	
9.288	320.634	20 51	NOV 25, 1974	
9.305	320.589	20 52	NOV 25, 1974	
9.321	320.497	20 53	NOV 25, 1974	
9.337	320.451	20 54	NOV 25, 1974	
9.354	320.337	20 55	NOV 25, 1974	
9.370	320.223	20 56	NOV 25, 1974	
9.387	320.154	20 57	NOV 25, 1974	
9.403	320.040	20 58	NOV 25, 1974	
9.420	319.902	20 59	NOV 25, 1974	
9.436	319.788	21 00	NOV 25, 1974	
9.453	319.765	21 01	NOV 25, 1974	
9.469	319.605	21 02	NOV 25, 1974	
9.485	319.514	21 03	NOV 25, 1974	
9.502	319.399	21 04	NOV 25, 1974	
9.518	319.308	21 05	NOV 25, 1974	
9.535	319.193	21 06	NOV 25, 1974	
9.551	319.079	21 07	NOV 25, 1974	
9.568	319.010	21 08	NOV 25, 1974	
9.584	318.919	21 09	NOV 25, 1974	
9.600	318.850	21 10	NOV 25, 1974	
9.617	318.759	21 11	NOV 25, 1974	
9.633	318.667	21 12	NOV 25, 1974	END TEST

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587 POINTS REPORTED THIS RUN

JOHNSTON

Schlumberger

technical
report

EQUIPMENT & HOLE DATA

Type Test	M. F. E. OPEN HOLE		
Formation Tested	GREEN RIVER		
Elevation	7036		Ft.
Net Productive Interval	9		Ft.
Estimated Porosity	-		%
All Depths Measured From	GROUND LEVEL		
Total Depth	1224		Ft.
Main Hole/Casing Size	6 3/4"		
Rat Hole/Liner Size	-		
Drill Collar Length	297'	I.D.	-
Drill Pipe Length	869'	I.D.	-
Packer Depth(s)	1211 & 1215		Ft.

Sampler Pressure _____ P.S.I.G. at Surface
 Recovery: Cu. Ft. Gas _____
 cc. Oil _____
 cc. Water _____
 cc. Mud _____
 Tot. Liquid cc. _____
 Gravity _____ °API @ _____ °F.
 Gas/Oil Ratio _____ cu. ft./bbl.

CHLORIDE
CONTENT

Recovery Water _____ @ _____ °F. _____ ppm

Recovery Mud _____ @ _____ °F.

Recovery Mud Filtrate _____ @ _____ °F. _____ ppm

Mud Pit Sample _____ @ _____ °F.

Mud Pit Sample Filtrate _____ @ _____ °F. _____ ppm

Mud Type	WATER FOAM		Wt.	-	
Viscosity	-		Water Loss	- C.C.	
Resist. of Mud	-	@	-	°F; of Filtrate	- @ - °F
Chloride Content	-				PPM

Remarks:

County RIO BLANCO State COLORADO Field Report No. 06022 C
Technician TAYLOR (VERNAL) Test Approved By MR. DOUGLAS CRITTON Na. Reports Requested 15 (14x)

Field Report No. 06022 C
No. Reports Requested 15 (14x)



PRESSURE DATA

Instrument No.	AK-1-5010			Field Report No. 06022 C
Capacity (P.S.I.G.)	1600			
Instrument Depth	1194'			
Instrument Opening	INSIDE			
Pressure Gradient P.S.I./Ft.				
Well Temperature °F.	94			
				TIME DATA
Initial Hydrostatic Mud	A			Time Given Time Computed
Initial Shut-in	B			_____ Mins. _____ Mins.
Initial Flow	C			_____ Mins. _____ Mins.
				_____ Mins. _____ Mins.
				_____ Mins. _____ Mins.
Final Flow	D			_____ Mins. _____ Mins.
Final Shut-in	E			_____ Mins. _____ Mins.
Final Hydrostatic Mud	F			_____ Mins. _____ Mins.

Remarks:

*Shut in pressure did not reach static reservoir pressure.

Clock Travel 0.003443

inches per min.

PRESSURE INCREMENTS

POINTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
1	327.6		4	0	51.0	7	0	85.4
2	338.4		1	332.2		2	140.3	
3	34.6		2	326.0		4	161.9	
4	51.0		3	329.2		6	181.5	
5	336.4		4	330.4		8	199.1	
6	337.6		5	332.0		10	214.3	
7	85.4		6	333.2		12	227.5	
8	336.8		7	334.0		14	238.3	
9	347.2		8	334.4		16	247.9	
10	345.6		9	334.8		18	256.3	
11	369.2		10	335.6		20	265.1	
12	392.8		11	335.6		22	273.1	
13	496.5		12	336.0		24	279.9	
14	388.8		13	336.0		26	286.7	
15	340.8		14	336.4		28	292.8	
16	328.4		15	336.4		30	298.8	
			16	336.4		32	303.2	
			17	336.4		34	307.6	
			18	336.4		36	310.8	
			19	336.4		38	314.0	
			20	336.4		40	316.8	
			21	336.4		42	319.6	
			22	336.4		44	322.0	
			23	336.4		46	324.4	
			24	336.4		48	326.4	
			25	336.4		50	328.0	
			26	336.4		52	329.2	
			27	336.4		54	330.4	
			28	336.4	II B-659	56	331.6	
			29	336.4		58	332.4	
			30	336.4		60	333.2	
			31	336.4		CONTINUED		



PRESSURE DATA

Instrument No.	AK-1-5010			Field Report No. 06022 C	
Capacity (P.S.I.G.)					
Instrument Depth					
Instrument Opening					
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.					
				TIME DATA	
Initial Hydrastatic Mud	A			Time Given	Time Computed
Initial Shut-in	B			Mins.	Mins.
Initial Flow	C			Mins.	Mins.
				Mins.	Mins.
				Mins.	Mins.
Final Flow	D			Mins.	Mins.
Final Shut-in	E			Mins.	Mins.
Final Hydrastatic Mud	F				

Remarks:

*Shut in pressure did not reach static reservoir pressure.

Clock Travel

inches per min.

PRESSURE INCREMENTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
62	333.6		124	336.8		184	353.2	
64	334.4		126	336.8		186	356.4	
66	334.8		128	337.2		188	358.8	
68	335.2		130	337.2		190	360.8	
70	335.2		132	337.6		192	362.4	
72	335.2		134	338.0		194	364.0	
74	335.6		136	338.0		196	365.2	
76	336.0		138	338.0		198	366.4	
78	336.0		140	338.8		200	367.2	
80	336.0		142	339.2		202	367.6	
82	336.4		144	340.0		204	368.4	
84	336.4		146	340.0		206	369.2	
86	336.4		148	340.8		208	373.6	
88	336.4		150	342.6		210	377.2	
90	336.4		152	342.4		212	380.0	
92	336.4		154	343.2		214	382.4	
94	336.4		156	343.6		216	384.8	
96	336.4		158	344.0		218	386.8	
98	336.8		160	344.8		220	388.4	
100	336.8		162	345.6		222	390.0	
102	336.8		164	346.0		224	391.6	
104	336.8		166	346.4		226	392.0	
106	336.8		168	347.2		228	392.8	
108	336.8		170	347.2		230	394.4	
110	336.8		171	347.2		232	406.4	
112	336.8		172	347.2		234	418.4	
114	336.8		174	346.8		236	428.8	
116	336.8		176	346.0		238	438.8	
8 117	336.8		178	345.6		240	448.0	
118	336.8		179	345.6		242	456.4	
120	336.8		180	345.6		244	463.6	
122	336.8		182	349.6				

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CONTINUED



FIELD REPORT NO.

06022 C

CAPACITY

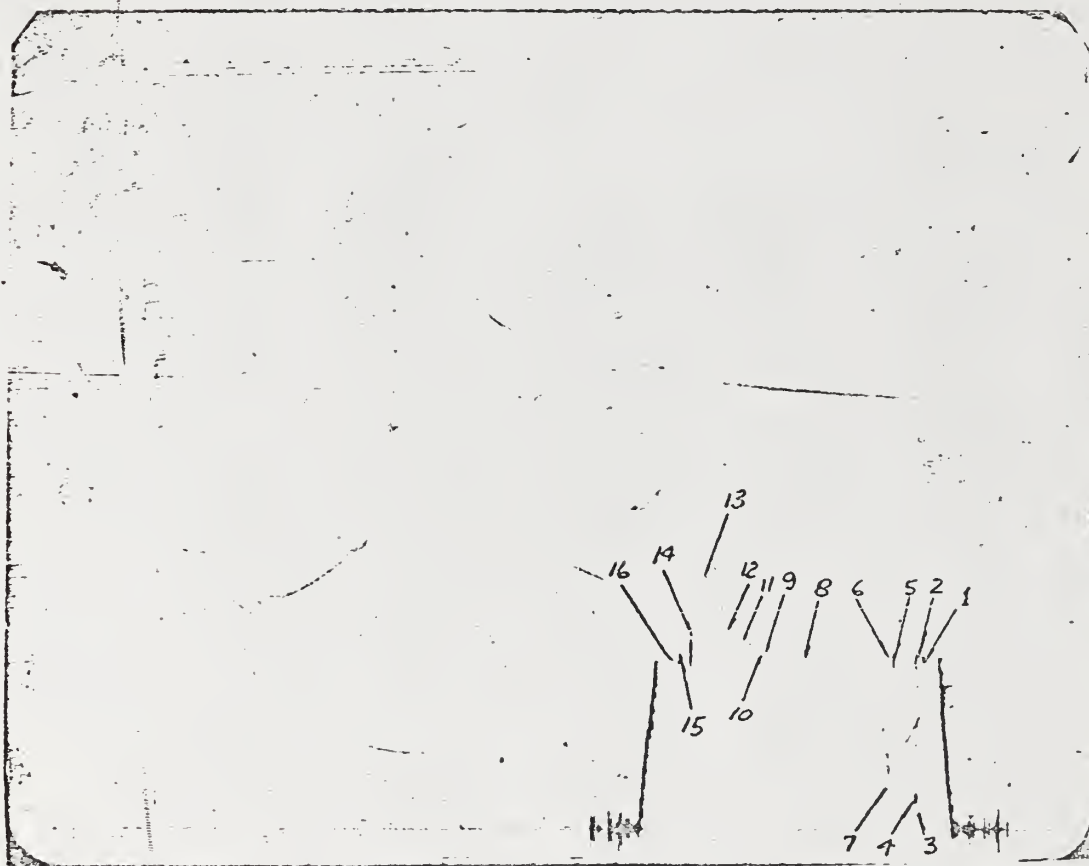
1600#

RECORDER NO.

AK-1-5010

REPORTS REQUESTED

15-



SPERRY-SUN



Howard Dennis / JRM
DS 112 RECEIVED
1215-224
DEC 18 1974

POST OFFICE BOX 36363 HOUSTON, TEXAS 77036 (713) 494-3021

A. J. ROGERS

J. A. Fouché
President

December 13, 1974

Mr. Frederick R. Scheerer
Atlantic-Richfield Company
1500 Security Life Building
Denver, Colorado 80202

Dear Sir:

Enclosed is the original of our Precision Pressure Gauge Drill Stem Test Job SPG-11210-I performed on your Federal SP-17 Well, Tract C-b, Piceance Creek Basin, Sorghum Gulch, Rio Blanco County, Colorado on November 26, 1974. Test interval was 1,215 feet (Packer Set) to 1,224 feet (TD) with one gauge inside the annulus above the packer.

Also enclosed are the charts for gauge numbers 204 and with Field Data Sheet.

Distribution is being made according to the attached mailing list.

Thank you for this opportunity to be of service.

Very truly yours,

Carl Kisinger, Jr.
Manager, Pressure Services

CK:pm
Enclosures

1215-1224

PRESSURE GAUGE DRILL STEM TEST SHEET

Job No. SP-11210 Date 11/26/74 Run DST #12 Office Casper
 Customer Arco ET Al Location Sorghum Gulch
 State Colorado County/~~Blanco~~ Rio Blanco
 Well Sorghum Gulch No. 17 Field Tract C-b

USE MILITARY TIME FOR ALL TIMES

	Time	Date	Time	Date	Time Charged
Arrive: Well/Book	1. <u>2100</u>	<u>11/25</u>	2. _____	_____	
Depart: Well/Book	1. <u>1000</u>	<u>11/26</u>	2. _____	_____	<u>min</u> Hrs.
Gauge Start in Hole	1. <u>0016</u>	<u>11/26</u>	2. _____	_____	
Gauge Out of Hole	1. <u>0930</u>	<u>11/26</u>	2. _____	_____	<u>9 1/4</u> Hrs.
No. Trips	<u>1</u>	Miles	<u>45</u>	Total Mileage	<u>90</u>

 Top Gauge # 204 Element # 32761 Range 1000 Time Mode 1 MIN
 Btm. Gauge # _____ Element # _____ Range _____ Time Mode _____
 Type Tool Johnston Mud Test Depth 1215-1225 Zero Point 21
 Packer Depth 1215 Tail Pipe Depth 2000 in Annulus Top Gauge Depth 1175.62
 Bottom Hole Temp. 94 Atmos. Temp. 30 Bottom Gauge Depth _____

TIME INFORMATION

Time Date

On Bottom 0150 11/26
 Packer Set 0151 11/26
 Initial Open 0159 11/26
 Initial Shut-In 0201 11/26
 Start Flow 0231 11/26
 Final Shut-In 0718 11/26
 Packer Unseated 0733 11/26

PRESSURE INFORMATION

Initial Hydrostatic Mud _____
 Initial Draw Down _____
 Initial Build-Up _____
 Final Flow _____
 Final Build-Up _____
 Final Hydrostatic Mud _____
 Mud Weight _____

TIME OF SURFACE NULLS

Top Gauge 204 0012:13 0927:10 Bottom Gauge _____

Remarks There is no jetting this test
Run on Annulus no Btm Range.

JOB NUMBER
SPG-11210-1

DATE OF JOB
11-26-74

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

PREPARED FOR

ATLANTIC RICHFIELD COMPANY

WELL NUMBER FEDERAL SG-17
FIELD/LEASE TRACT C-B SORGHUM GULCH
COUNTY/PARISH RIO BLANCO
STATE COLORADO
TYPE OF TEST DRILL STEM
REFERENCE ELEV GROUND LEVEL

ADDITIONAL INFORMATION

USED GAUGE NO. 204 WITH 1000 LB. ELEMENT

GAUGE DEPTH IS 1173.68 FEET OUTSIDE

DP - IN ANNULUS ABOVE PACKER

GROUND LEVEL IS 7036 FEET

TEST INTERVAL IS FROM ZERO FEET

(SURFACE) TO 1215 FEET (PACKER DEPTH)

INSIDE ANNULUS

INITIAL HYDROSTATIC IS 316.04

FINAL GYDROSTATIC IS 317.65

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31 POINTS REPORTED THIS JOB

PAGE 1 OF 2 PAGES

JOB NUMBER
SPG-11210-1

DATE OF JOB
11-26-74

GAUGE/RUN NUMBER
204 RUN NO. 9 DST NO. 12

DATE OF RUN
12-9-74

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0,000	324,889	02 01	NOV 26,1974	START INITIAL
,017	324,980	02 02	NOV 26,1974	SHUT-IN
,033	325,049	02 03	NOV 26,1974	
,050	325,095	02 04	NOV 26,1974	
,067	325,163	02 05	NOV 26,1974	
,083	325,163	02 06	NOV 26,1974	
,100	325,163	02 07	NOV 26,1974	
,117	325,255	02 08	NOV 26,1974	
,133	325,278	02 09	NOV 26,1974	
,150	325,278	02 10	NOV 26,1974	
,167	325,323	02 11	NOV 26,1974	
,183	325,300	02 12	NOV 26,1974	
,200	325,323	02 13	NOV 26,1974	
,217	325,300	02 14	NOV 26,1974	
,233	325,323	02 15	NOV 26,1974	
,250	325,369	02 16	NOV 26,1974	
,267	325,392	02 17	NOV 26,1974	
,283	325,346	02 18	NOV 26,1974	
,300	325,392	02 19	NOV 26,1974	
,317	325,392	02 20	NOV 26,1974	
,333	325,415	02 21	NOV 26,1974	
,350	325,415	02 22	NOV 26,1974	
,367	325,415	02 23	NOV 26,1974	
,383	325,415	02 24	NOV 26,1974	
,400	325,438	02 25	NOV 26,1974	
,417	325,415	02 26	NOV 26,1974	
,433	325,415	02 27	NOV 26,1974	
,450	325,415	02 28	NOV 26,1974	
,467	325,460	02 29	NOV 26,1974	
,483	325,438	02 30	NOV 26,1974	
,500	325,438	02 31	NOV 26,1974	END SHUT-IN

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SPERRY-SUN
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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0,000	325,598	02 40	NOV 26,1974	START FLOW
,016	325,552	02 41	NOV 26,1974	
,033	325,506	02 42	NOV 26,1974	
,049	325,483	02 43	NOV 26,1974	
,066	325,415	02 44	NOV 26,1974	
,082	325,346	02 45	NOV 26,1974	
,099	325,300	02 46	NOV 26,1974	
,115	325,255	02 47	NOV 26,1974	
,132	325,163	02 48	NOV 26,1974	
,148	325,140	02 49	NOV 26,1974	
,165	325,095	02 50	NOV 26,1974	
,181	325,049	02 51	NOV 26,1974	
,198	325,026	02 52	NOV 26,1974	
,214	325,003	02 53	NOV 26,1974	
,231	325,003	02 54	NOV 26,1974	
,247	324,980	02 55	NOV 26,1974	
,264	324,980	02 56	NOV 26,1974	
,280	324,980	02 57	NOV 26,1974	
,297	324,934	02 58	NOV 26,1974	
,313	324,934	02 59	NOV 26,1974	
,330	324,980	03 00	NOV 26,1974	
,346	325,003	03 01	NOV 26,1974	
,363	324,934	03 02	NOV 26,1974	
,379	324,980	03 03	NOV 26,1974	
,396	325,003	03 04	NOV 26,1974	
,412	325,003	03 05	NOV 26,1974	
,429	325,003	03 06	NOV 26,1974	
,445	325,049	03 07	NOV 26,1974	
,462	325,072	03 08	NOV 26,1974	
,478	325,072	03 09	NOV 26,1974	
,495	325,049	03 10	NOV 26,1974	
,511	325,072	03 11	NOV 26,1974	
,528	325,095	03 12	NOV 26,1974	
,544	325,117	03 13	NOV 26,1974	
,561	325,117	03 14	NOV 26,1974	
,577	325,163	03 15	NOV 26,1974	
,594	325,163	03 16	NOV 26,1974	
,610	325,163	03 17	NOV 26,1974	
,627	325,186	03 18	NOV 26,1974	
,643	325,232	03 19	NOV 26,1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
.660	325.209	03 20	NOV 26, 1974	
.676	325.232	03 21	NOV 26, 1974	
.693	325.232	03 22	NOV 26, 1974	
.709	325.300	03 23	NOV 26, 1974	
.726	325.278	03 24	NOV 26, 1974	
.742	325.300	03 25	NOV 26, 1974	
.758	325.323	03 26	NOV 26, 1974	
.775	325.323	03 26	NOV 26, 1974	
.791	325.346	03 27	NOV 26, 1974	
.808	325.346	03 28	NOV 26, 1974	
.824	325.346	03 29	NOV 26, 1974	
.841	325.392	03 30	NOV 26, 1974	
.857	325.392	03 31	NOV 26, 1974	
.874	325.415	03 32	NOV 26, 1974	
.890	325.392	03 33	NOV 26, 1974	
.907	325.415	03 34	NOV 26, 1974	
.923	325.438	03 35	NOV 26, 1974	
.940	325.438	03 36	NOV 26, 1974	
.956	325.438	03 37	NOV 26, 1974	
.973	325.460	03 38	NOV 26, 1974	
.989	325.483	03 39	NOV 26, 1974	
1.006	325.483	03 40	NOV 26, 1974	
1.022	325.483	03 41	NOV 26, 1974	
1.039	325.552	03 42	NOV 26, 1974	
1.055	325.506	03 43	NOV 26, 1974	
1.072	325.529	03 44	NOV 26, 1974	
1.088	325.506	03 45	NOV 26, 1974	
1.105	325.506	03 46	NOV 26, 1974	
1.121	325.575	03 47	NOV 26, 1974	
1.138	325.552	03 48	NOV 26, 1974	
1.154	325.529	03 49	NOV 26, 1974	
1.171	325.552	03 50	NOV 26, 1974	
1.187	325.598	03 51	NOV 26, 1974	
1.204	325.621	03 52	NOV 26, 1974	
1.220	325.598	03 53	NOV 26, 1974	
1.237	325.598	03 54	NOV 26, 1974	
1.253	325.621	03 55	NOV 26, 1974	
1.270	325.621	03 56	NOV 26, 1974	
1.286	325.598	03 57	NOV 26, 1974	
1.303	325.666	03 58	NOV 26, 1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
1,319	325,621	03 59	NOV 26,1974	
1,336	325,643	04 00	NOV 26,1974	
1,352	325,598	04 01	NOV 26,1974	
1,369	325,621	04 02	NOV 26,1974	
1,385	325,666	04 03	NOV 26,1974	
1,402	325,689	04 04	NOV 26,1974	
1,418	325,666	04 05	NOV 26,1974	
1,435	325,689	04 06	NOV 26,1974	
1,451	325,712	04 07	NOV 26,1974	
1,467	325,712	04 08	NOV 26,1974	
1,484	325,666	04 09	NOV 26,1974	
1,500	325,712	04 10	NOV 26,1974	
1,517	325,712	04 11	NOV 26,1974	
1,533	325,666	04 12	NOV 26,1974	
1,550	325,666	04 13	NOV 26,1974	
1,566	325,712	04 14	NOV 26,1974	
1,583	325,712	04 15	NOV 26,1974	
1,599	325,735	04 16	NOV 26,1974	
1,616	325,735	04 17	NOV 26,1974	
1,632	325,758	04 18	NOV 26,1974	
1,649	325,735	04 19	NOV 26,1974	
1,665	325,712	04 20	NOV 26,1974	
1,682	325,712	04 21	NOV 26,1974	
1,698	325,758	04 22	NOV 26,1974	
1,715	325,758	04 23	NOV 26,1974	
1,731	325,758	04 24	NOV 26,1974	
1,748	325,735	04 25	NOV 26,1974	
1,764	325,758	04 26	NOV 26,1974	
1,781	325,781	04 27	NOV 26,1974	
1,797	325,781	04 28	NOV 26,1974	
1,814	325,758	04 29	NOV 26,1974	
1,830	325,781	04 30	NOV 26,1974	
1,847	325,781	04 31	NOV 26,1974	
1,863	325,781	04 32	NOV 26,1974	
1,880	325,781	04 33	NOV 26,1974	
1,896	325,804	04 34	NOV 26,1974	
1,913	325,781	04 35	NOV 26,1974	
1,929	325,781	04 36	NOV 26,1974	
1,946	325,781	04 37	NOV 26,1974	
1,962	325,826	04 38	NOV 26,1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
1,979	325,826	04 39	NOV 26,1974	
1,995	325,804	04 40	NOV 26,1974	START 20 GPM
2,012	325,849	04 41	NOV 26,1974	DOWN ANNULUS
2,028	325,941	04 42	NOV 26,1974	
2,045	327,885	04 43	NOV 26,1974	
2,061	329,212	04 44	NOV 26,1974	
2,078	330,241	04 45	NOV 26,1974	
2,094	330,973	04 46	NOV 26,1974	
2,111	331,545	04 47	NOV 26,1974	
2,127	332,002	04 48	NOV 26,1974	
2,144	332,437	04 49	NOV 26,1974	
2,160	332,780	04 50	NOV 26,1974	
2,177	333,100	04 51	NOV 26,1974	
2,193	333,397	04 52	NOV 26,1974	
2,209	333,626	04 53	NOV 26,1974	
2,226	333,855	04 54	NOV 26,1974	
2,242	334,061	04 55	NOV 26,1974	START 40 GPM
2,259	334,450	04 56	NOV 26,1974	DOWN DP
2,275	338,109	04 57	NOV 26,1974	
2,292	344,148	04 58	NOV 26,1974	
2,308	342,844	04 59	NOV 26,1974	
2,325	344,559	04 59	NOV 26,1974	
2,341	346,069	05 00	NOV 26,1974	
2,358	347,396	05 01	NOV 26,1974	
2,374	348,585	05 02	NOV 26,1974	
2,391	349,751	05 03	NOV 26,1974	
2,407	350,826	05 04	NOV 26,1974	
2,424	351,764	05 05	NOV 26,1974	
2,440	352,679	05 06	NOV 26,1974	
2,457	353,525	05 07	NOV 26,1974	
2,473	354,417	05 08	NOV 26,1974	
2,490	355,058	05 09	NOV 26,1974	
2,506	356,224	05 10	NOV 26,1974	START 55 GPM
2,523	358,123	05 11	NOV 26,1974	DOWN ANNULUS
2,539	359,770	05 12	NOV 26,1974	
2,556	360,822	05 13	NOV 26,1974	
2,572	362,354	05 14	NOV 26,1974	
2,589	363,567	05 15	NOV 26,1974	
2,605	364,710	05 16	NOV 26,1974	
2,622	365,671	05 17	NOV 26,1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
2,638	366,632	05 18	NOV 26, 1974	
2,655	367,432	05 19	NOV 26, 1974	
2,671	368,187	05 20	NOV 26, 1974	
2,688	368,278	05 21	NOV 26, 1974	
2,704	369,697	05 22	NOV 26, 1974	
2,721	370,245	05 23	NOV 26, 1974	
2,737	370,932	05 24	NOV 26, 1974	
2,754	371,549	05 25	NOV 26, 1974	END 55 GPM
2,770	368,118	05 26	NOV 26, 1974	DOWN ANNULUS
2,787	362,789	05 27	NOV 26, 1974	
2,803	359,015	05 28	NOV 26, 1974	
2,820	354,189	05 29	NOV 26, 1974	
2,836	350,255	05 30	NOV 26, 1974	
2,853	347,030	05 31	NOV 26, 1974	
2,869	344,239	05 32	NOV 26, 1974	
2,886	341,654	05 33	NOV 26, 1974	
2,902	339,207	05 34	NOV 26, 1974	
2,919	337,263	05 35	NOV 26, 1974	
2,935	335,685	05 36	NOV 26, 1974	
2,951	334,472	05 37	NOV 26, 1974	
2,968	333,466	05 38	NOV 26, 1974	
2,984	332,643	05 39	NOV 26, 1974	START 2.5 GPM
3,001	332,025	05 40	NOV 26, 1974	DOWN DP
3,017	331,568	05 41	NOV 26, 1974	
3,034	331,064	05 42	NOV 26, 1974	
3,050	330,698	05 43	NOV 26, 1974	
3,067	330,470	05 44	NOV 26, 1974	
3,083	330,241	05 45	NOV 26, 1974	
3,100	330,012	05 46	NOV 26, 1974	
3,116	329,783	05 47	NOV 26, 1974	
3,133	329,578	05 48	NOV 26, 1974	
3,149	329,417	05 49	NOV 26, 1974	
3,166	329,326	05 50	NOV 26, 1974	
3,182	329,189	05 51	NOV 26, 1974	
3,199	329,074	05 52	NOV 26, 1974	
3,215	329,006	05 53	NOV 26, 1974	
3,232	328,914	05 54	NOV 26, 1974	
3,248	328,823	05 55	NOV 26, 1974	
3,265	328,731	05 56	NOV 26, 1974	
3,281	328,708	05 57	NOV 26, 1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
3.298	328.663	05 58	NOV 26, 1974	
3.314	328.594	05 59	NOV 26, 1974	
3.331	328.548	06 00	NOV 26, 1974	
3.347	328.548	06 01	NOV 26, 1974	
3.364	328.480	06 02	NOV 26, 1974	
3.380	328.434	06 03	NOV 26, 1974	
3.397	328.411	06 04	NOV 26, 1974	
3.413	328.411	06 05	NOV 26, 1974	
3.430	328.388	06 06	NOV 26, 1974	
3.446	328.320	06 07	NOV 26, 1974	
3.463	328.297	06 08	NOV 26, 1974	START 5 GPM
3.479	328.297	06 09	NOV 26, 1974	DCWN DP
3.496	328.274	06 10	NOV 26, 1974	
3.512	328.251	06 11	NOV 26, 1974	
3.529	328.251	06 12	NOV 26, 1974	
3.545	328.251	06 13	NOV 26, 1974	
3.562	328.251	06 14	NOV 26, 1974	
3.578	328.205	06 15	NOV 26, 1974	
3.595	328.114	06 16	NOV 26, 1974	
3.611	328.137	06 17	NOV 26, 1974	
3.628	328.114	06 18	NOV 26, 1974	
3.644	328.068	06 19	NOV 26, 1974	
3.660	328.068	06 20	NOV 26, 1974	
3.677	328.091	06 21	NOV 26, 1974	
3.693	328.114	06 22	NOV 26, 1974	
3.710	328.091	06 23	NOV 26, 1974	
3.726	328.114	06 24	NOV 26, 1974	
3.743	328.182	06 25	NOV 26, 1974	
3.759	328.159	06 26	NOV 26, 1974	
3.776	328.159	06 27	NOV 26, 1974	
3.792	328.159	06 28	NOV 26, 1974	
3.809	328.182	06 29	NOV 26, 1974	
3.825	328.182	06 30	NOV 26, 1974	START 10 GPM
3.842	328.137	06 31	NOV 26, 1974	DOWN DP
3.858	328.137	06 32	NOV 26, 1974	
3.875	328.159	06 32	NOV 26, 1974	
3.891	328.159	06 33	NOV 26, 1974	
3.908	328.159	06 34	NOV 26, 1974	
3.924	328.159	06 35	NOV 26, 1974	
3.941	328.182	06 36	NOV 26, 1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
3.957	328.182	06 37	NOV 26, 1974	
3.974	328.182	06 38	NOV 26, 1974	
3.990	328.205	06 39	NOV 26, 1974	
4.007	328.274	06 40	NOV 26, 1974	
4.023	328.251	06 41	NOV 26, 1974	
4.040	328.297	06 42	NOV 26, 1974	
4.056	328.297	06 43	NOV 26, 1974	
4.073	328.320	06 44	NOV 26, 1974	
4.089	328.365	06 45	NOV 26, 1974	
4.106	328.388	06 46	NOV 26, 1974	START 20 GPM
4.122	328.411	06 47	NOV 26, 1974	DOWN DP
4.139	328.434	06 48	NOV 26, 1974	
4.155	328.457	06 49	NOV 26, 1974	
4.172	328.457	06 50	NOV 26, 1974	
4.188	328.503	06 51	NOV 26, 1974	
4.205	328.571	06 52	NOV 26, 1974	
4.221	328.617	06 53	NOV 26, 1974	
4.238	328.617	06 54	NOV 26, 1974	
4.254	328.640	06 55	NOV 26, 1974	
4.271	328.686	06 56	NOV 26, 1974	
4.287	328.686	06 57	NOV 26, 1974	
4.304	328.869	06 58	NOV 26, 1974	
4.320	328.777	06 59	NOV 26, 1974	
4.337	328.800	07 00	NOV 26, 1974	
4.353	328.823	07 01	NOV 26, 1974	
4.370	328.869	07 02	NOV 26, 1974	
4.386	328.869	07 03	NOV 26, 1974	END 20 GPM
4.402	328.914	07 04	NOV 26, 1974	DOWN DP
4.419	328.914	07 05	NOV 26, 1974	
4.435	328.914	07 06	NOV 26, 1974	
4.452	328.891	07 07	NOV 26, 1974	
4.468	328.914	07 08	NOV 26, 1974	
4.485	328.891	07 09	NOV 26, 1974	
4.501	328.869	07 10	NOV 26, 1974	
4.518	328.846	07 11	NOV 26, 1974	
4.534	328.869	07 12	NOV 26, 1974	
4.551	328.823	07 13	NOV 26, 1974	
4.567	328.777	07 14	NOV 26, 1974	
4.584	328.754	07 15	NOV 26, 1974	
4.600	328.777	07 16	NOV 26, 1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
4.617	328.708	07 17	NOV 26, 1974	
4.633	328.686	07 18	NOV 26, 1974	END TEST

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JOHNSTON

Schlumberger

technical
report

RECEIVED

DEC 11 1974

A. J. ROGERS

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F.R. #06023 C

EQUIPMENT & HOLE DATA

Type Test	M.F.E. OPEN HOLE		
Formation Tested	GREEN RIVER		
Elevation	7036		Ft.
Net Productive Interval	26		Ft.
Estimated Porosity	-		%
All Depths Measured From	GROUND LEVEL		
Total Depth	1250		Ft.
Main Hole/Casing Size	6 3/4"		
Rot Hole/Liner Size	-		
Drill Collor Length	297'	I.D.	-
Drill Pipe Length	882'	I.D.	-
Packer Depth(s)	1219 & 1224		Ft.

Sampler Pressure _____ P.S.I.G. at Surface
 Recovery: Cu. Ft. Gas _____
 cc. Oil _____
 cc. Water _____
 cc. Mud _____
 Tot. Liquid cc. _____
 Gravity _____ °API @ _____ °F.
 Gas/Oil Ratio _____ cu. ft./bbl.

CHLORIDE
CONTENT

Mud Pit Sample _____ @ _____ °F.
Mud Pit Sample Filtrate _____ @ _____ °F. _____ ppm

Mud Type	WATER FOAM		Wt.	-	
Viscosity	-		Water Loss	- C.C.	
Resist. of Mud	-	@	- °F.	of Filtrate	- @ - °F
Chloride Content	-				PPM

Remarks: _____

Technician TAYLOR (VERNAL) Test Approved By MR. S. BERKHEISER, JR. No. Reports Requested 15 (14x)

PRESSURE DATA					
Instrument No.	AK-1-5009			Field Report No. 06023 C	
Capacity (P.S.I.G.)	1500				
Instrument Depth	1204'				
Instrument Opening	INSIDE				
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.	94				
				TIME DATA	
Initial Hydrostatic Mud	A			Time Given	Time Computed
Initial Shut-in	B				
Initial Flow	C				
Final Flow	D				
Final Shut-in	E				
Final Hydrostatic Mud	F				

Remarks:	

inches per min.

*Shut in pressure did not reach static reservoir pressure. Clock Travel _____ inches per min.

POINTS

Paint Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Paint Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Paint Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	
1	332.0		3	0	148.7	80	285.5		
2	333.1		4	1	230.7	85	285.5		
3	148.7			2	304.4	90	285.5		
4	230.7			3	302.9	95	285.5		
5	302.5			4	302.1	100	285.5		
6	320.3			5	302.1	105	285.5		
7	259.8			6	302.1	110	285.5		
8	287.0			7	302.1	115	285.5		
9	294.6			8	302.1	120	285.9		
10	247.3			9	302.1	125	285.9		
11	244.7			10	302.1	130	285.9		
12	251.5			20	302.5	135	285.9		
13	335.4			30	302.5	140	285.9		
14	517.5		5	35	302.5	145	285.9		
15	513.7			40	320.3	150	286.2		
16	345.2		6	42	320.3	155	286.2		
17	415.1		7	44	259.8	160	286.2		
18	358.8			45	276.8	165	287.0		
19	359.9			46	283.6	170	287.0		
				47	284.7	8	171	287.0	
				48	284.7		175	288.5	
				49	284.7		180	287.0	
				50	284.7	9	182	294.6	
				51	284.7		184	287.4	
				52	284.7		186	281.7	
				53	284.7		188	278.3	
				54	285.1		190	274.5	
				55	285.1	II B-677		192	271.9
				60	285.1			194	269.2
				65	285.1			196	266.6
				70	285.1			198	264.3
				75	285.5			CONTINUED	



PRESSURE DATA

Instrument No.	AK-1-5009			Field Report No. 06023 C	
Capacity (P.S.I.G.)					
Instrument Depth					
Instrument Opening					
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.					
				TIME DATA	
Initial Hydrastatic Mud	A			Time Given	Time Computed
Initial Shut-in	B			Mins.	Mins.
Initial Flow	C			Mins.	Mins.
				Mins.	Mins.
Final Flow	D			Mins.	Mins.
Final Shut-in	E			Mins.	Mins.
Final Hydrostatic Mud	F			Mins.	Mins.

Remarks:

*Shut In pressure did not reach static reservoir pressure.

Clock Travel _____ inches per min.

PRESSURE INCREMENTS

Point Notes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
200	262.4		262	243.5		326	244.3	
202	261.3		264	243.5		328	244.3	
204	259.4		266	243.5		330	244.7	
206	258.7		268	243.9		332	244.7	
208	257.1		270	243.9		334	244.7	
210	256.0		272	243.9		336	244.7	
212	255.3		274	243.9		338	244.7	
214	254.1		276	243.9		340	244.7	
216	253.4		278	243.9		342	244.7	
218	253.0		280	243.9		344	244.7	
220	252.2		282	243.9		346	244.7	
222	251.5		284	243.9		11 348	244.7	
224	251.1		286	243.9		350	245.4	
226	250.3		288	243.9		352	246.6	
228	250.0		290	243.9		354	247.7	
230	249.6		292	244.3		356	248.5	
232	249.2		294	244.3		358	249.2	
234	248.8		296	244.3		360	250.0	
236	248.5		298	244.3		362	250.7	
10 237	247.3		300	244.3		364	251.1	
238	245.8		302	244.3		12 366	251.5	
240	243.5		304	244.3		368	253.7	
242	243.2		306	244.3		370	256.8	
244	243.5		308	244.3		372	259.4	
246	243.5		310	244.3		374	262.8	
248	243.5		312	244.3		376	266.2	
250	243.5		314	244.3		378	268.9	
252	243.5		316	244.3	II B-678	380	272.6	
254	243.5		318	244.3		382	276.0	
256	243.5		320	244.3		384	279.4	
258	243.5		322	244.3		386	282.8	
260	243.5		324	244.3		CONTINUED		



PRESSURE DATA

Instrument No.	AK-1-5009			Field Report No. 06023 C	
Capacity (P.S.I.G.)					
Instrument Depth					
Instrument Opening					
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.					
				TIME DATA	
Initial Hydrostatic Mud	A			Time Given	Time Computed
Initial Shut-in	B			Mins.	Mins.
Initial Flow	C			Mins.	Mins.
				Mins.	Mins.
				Mins.	Mins.
Final Flow	D			Mins.	Mins.
Final Shut-in	E			Mins.	Mins.
Final Hydrostatic Mud	F			Mins.	Mins.

Remarks:

* Shut in pressure did not reach static reservoir pressure.

Clock Travel

inches per min.

PRESSURE INCREMENTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
388	287.0		450	514.9		512	365.2	
390	291.2		452	514.9		514	364.1	
392	296.8		454	514.5		516	362.6	
394	302.9		456	514.1		518	361.5	
396	308.9		458	513.7		520	360.3	
398	316.1		15 460	513.7		18 522	358.8	
400	324.0		462	513.4		524	358.8	
402	331.6		16 463	345.2		526	358.8	
404	334.2		17 464	415.1		528	358.8	
406	335.0		466	413.6		530	359.2	
408	335.0		468	411.3		532	359.6	
410	335.0		470	408.7		534	359.9	
412	335.0		472	406.0		19 536	359.9	
13 413	335.4		474	403.4		CLOCK STOPPED AT THIS POINT.		
414	339.9		476	400.8				
416	354.6		478	398.1				
418	373.9		480	395.5				
420	394.3		482	393.2				
422	414.4		484	390.9				
424	436.3		486	388.3				
426	457.4		488	386.0				
428	478.2		490	384.1				
430	500.1		492	381.9				
14 432	517.5		494	379.6				
434	517.1		496	377.7				
436	517.8		498	375.8				
438	517.4		500	374.3				
440	516.0		502	372.4				
442	516.0		504	370.9				
444	515.6		506	369.0				
446	515.6		508	367.5				
448	515.6		510	366.4				

II B-679



PRESSURE DATA

Instrument No.	AK-1-5010			Field Report No. 06023 C	
Capacity (P.S.I.G.)	1600				
Instrument Depth	1228'				
Instrument Opening	OUTSIDE				
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.	94				
				TIME DATA	
Initial Hydrostatic Mud	A			Time Given	Time Computed
Initial Shut-in	B			Mins.	Mins.
Initial Flow	C			Mins.	Mins.
				Mins.	Mins.
				Mins.	Mins.
Final Flow	D			Mins.	Mins.
Final Shut-in	E			Mins.	Mins.
Final Hydrostatic Mud	F			Mins.	Mins.

Remarks:

* Shut in pressure did not reach static reservoir pressure.

Clock Travel _____ inches per min.

PRESSURE INCREMENTS

POINTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
1	342.8		3 0	313.6		80	296.3	
2	343.6		4 1	277.9		85	296.3	
3	313.6		2	281.5		90	296.7	
4	277.9		3	329.6		95	296.7	
5	313.2		4	347.6		100	296.7	
6	330.8		5	313.6		105	296.7	
7	296.3		6	313.2		110	296.7	
8	296.7		7	313.2		115	296.7	
9	302.8		8	313.2		120	296.7	
10	257.9		9	313.2		125	296.7	
11	254.7		10	313.2		130	296.7	
12	261.9		20	313.2		135	296.7	
13	344.8		30	313.2		140	296.7	
14	525.7		5 35	313.2		145	296.7	
15	523.3		40	330.8		150	296.7	
16	357.2		6 42	330.8		155	296.7	
17	423.6		7 44	296.3		160	296.7	
18	368.0		45	296.3		165	296.7	
19	369.2		46	296.3		170	296.7	
20	352.0		47	296.3		8 171	296.7	
			48	296.3		175	295.9	
			49	296.3		180	297.5	
			50	296.3		9 182	302.8	
			51	296.3		184	295.5	
			52	296.3		186	289.9	
			53	296.3		188	286.7	
			54	296.3		190	283.5	
			55	296.3	II B-680	192	280.7	
			60	296.3		194	277.9	
			65	296.3		196	275.5	
			70	296.3		198	273.5	
			75	296.3				
						CONT	INUED	



PRESSURE DATA

Instrument No.	AK-1-5010			Field Report No. 06023 C	
Capacity (P.S.I.G.)					
Instrument Depth					
Instrument Opening					
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.					
				TIME DATA	
Initial Hydrostatic Mud	A			Time Given	Time Computed
Initial Shut-in	B			Mins.	Mins.
Initial Flow	C			Mins.	Mins.
				Mins.	Mins.
				Mins.	Mins.
Final Flow	D			Mins.	Mins.
Final Shut-in	E			Mins.	Mins.
Final Hydrostatic Mud	F			Mins.	Mins.

Remarks:

*Shut in pressure did not reach static reservoir pressure.

Clock Travel _____ inches per min.

PRESSURE INCREMENTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
200	271.9		262	254.3		326	254.7	
202	269.9		264	254.3		328	254.7	
204	269.1		266	254.3		330	254.7	
206	267.9		268	254.3		332	254.7	
208	266.7		270	254.3		334	254.7	
210	265.5		272	254.3		336	254.7	
212	264.7		274	254.3		338	254.7	
214	263.9		276	254.3		340	254.7	
216	262.7		278	254.3		342	254.7	
218	262.3		280	254.3		344	254.7	
220	261.9		282	254.3		346	254.7	
222	261.1		284	254.3		11 348	254.7	
224	260.7		286	254.3		350	255.9	
226	260.3		288	254.3		352	257.1	
228	259.9		290	254.3		354	258.3	
230	259.5		292	254.3		356	259.1	
232	259.1		294	254.3		358	259.5	
234	258.7		296	254.3		360	260.7	
236	258.3		298	254.3		362	261.5	
10 237	257.9		300	254.3		364	261.5	
238	255.9		302	254.7		12 366	261.9	
240	253.9		304	254.7		368	263.1	
242	253.5		306	254.7		370	265.9	
244	253.5		308	254.7		372	269.1	
246	253.5		310	254.7		374	271.9	
248	253.9		312	254.7		376	275.5	
250	253.9		314	254.7		378	279.1	
252	253.9		316	254.7	II B-681	380	282.7	
254	253.9		318	254.7		382	286.3	
256	254.3		320	254.7		384	290.3	
258	254.3		322	254.7		386	294.3	
260	254.3		324	254.7		CONTINUED		

PRESSURE DATA

Instrument No.	AK-1-5010				
Capacity (P.S.I.G.)					
Instrument Depth					
Instrument Opening					
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.					
Initial Hydrostatic Mud	A				
Initial Shut-in	B				
Initial Flow	C				
Final Flow	D				
Final Shut-in	E				
Final Hydrostatic Mud	F				

Field Report No. 06023 C

TIME DATA

Time Given	Time Computed
Mins.	Mins.
Mins.	Mins.
Mins.	Mins.
Mins.	Mins.
Mins.	Mins.
Mins.	Mins.

Remarks:

* Shut in pressure did not reach static reservoir pressure.

Clock Travel _____ inches per min.

PRESSURE INCREMENTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
388	299.1		450	524.5		512	372.4	
390	303.6		452	524.1		514	371.2	
392	309.6		454	523.7		516	370.0	
394	316.8		456	523.7		518	369.2	
396	324.0		458	523.3		520	368.8	
398	332.4		15 460	523.3		18 522	368.0	
400	340.8		462	462.0		524	368.0	
402	343.6		16 463	357.2		526	368.0	
404	344.4		17 464	423.6		528	368.0	
406	344.8		466	422.4		530	368.0	
408	344.8		468	419.6		532	368.4	
410	344.8		470	416.4		534	368.8	
412	344.8		472	413.2		536	369.2	
13 413	344.8		474	410.4		538	369.6	
414	350.7		476	408.0		540	370.0	
416	365.6		478	405.2		542	370.8	
418	384.8		480	402.4		544	371.2	
420	405.2		482	400.0		546	371.2	
422	428.0		484	397.2		548	371.6	
424	447.2		486	395.2		550	372.0	
426	469.6		488	393.2		552	372.0	
428	494.5		490	390.8		554	371.6	
430	517.3		492	388.8		556	371.2	
14 432	525.7		494	386.4		558	370.8	
434	526.5		496	384.8		560	370.0	
436	526.5		498	382.8		19 562	369.2	
438	526.5		500	380.8				
440	526.1		502	379.2	II B-682			
442	525.7		504	377.6				
444	525.7		506	376.4				
446	524.9		508	374.8				
448	524.9		510	373.6				

6005



FIELD REPORT NO.

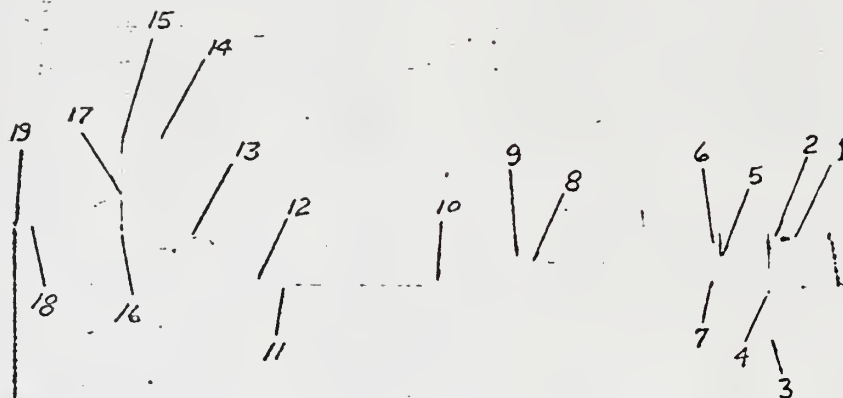
06023 C
CAPACITY

1500#

RECORDER NO.

AK-1-5009
REPORTS REQUESTED

15+



FIELD REPORT NO.

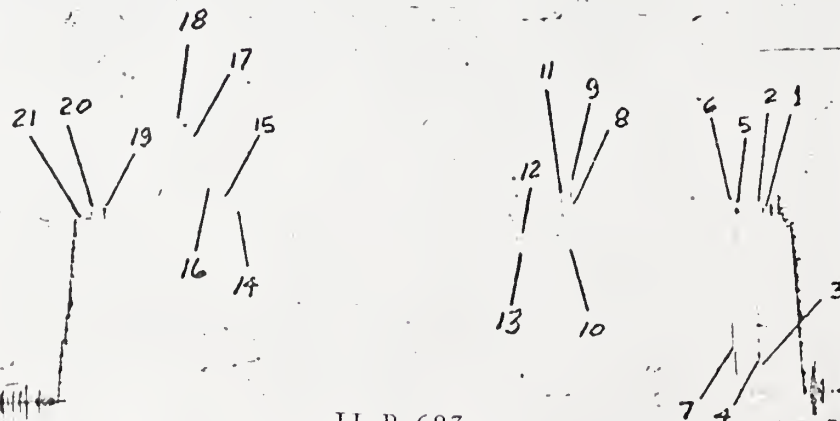
06023 C
CAPACITY

1600#

RECORDER NO.

AK-1-5010
REPORTS REQUESTED

15+



SPERRY-SUN



POST OFFICE BOX 36363 HOUSTON, TEXAS 77036 (713) 494-3021

J. A. Fouché
President

12-18-1974
RECEIVED

DEC 18 1974

A. J. ROGERS

December 13, 1974

Mr. Frederick R. Scheerer
Atlantic-Richfield Company
1500 Security Life Building
Denver, Colorado 80202

Dear Sir:

Enclosed is the original of our Precision Pressure Gauge Drill Stem Test Job SPG-11210-J performed on your Federal SG-17 Well, Tract C-b, Piceance Creek Basin, Sorghum Gulch, Rio Blanco County, Colorado on November 27, 1974. Test interval was 1,224 feet (Packer Set) to 1,251 feet (TD) with one gauge inside the annulus above the packer and one gauge inside the drill pipe below the packer.

Also enclosed are the charts for gauge numbers 196 and 204 with Field Data Sheet.

Distribution is being made according to the attached mailing list.

Thank you for this opportunity to be of service.

Very truly yours,

Carl Kisinger, Jr.
Manager, Pressure Services

CK:pm
Enclosures

1224-1251

PRESSURE GAUGE DRILL STEM TEST SHEET

Job No. SPG-11210-J Date 11-27-74 Run DST #13 Office CASPER
 Customer ARCO, ET AL Location TRACT C-6, SORGHUM CULCH
 State COLORADO County/Parish RIO BLANCO
 Well SG-17 No. _____ Field PICEANCE CREEK

USE MILITARY TIME FOR ALL TIMES

	Time	Date	Time	Date	Time Charged
Arrive: Well/Dock	1. <u>0030</u>	<u>11-27-74</u>	2. _____	_____	_____
Depart: Well/Dock	1. _____	_____	2. _____	_____	_____ Hrs.
Gauge Start in Hole	1. <u>0.500</u>	<u>11-27-74</u>	2. _____	_____	_____
Gauge Out of Hole	1. _____	_____	2. _____	_____	_____ Hrs.
No. Trips	_____	Miles	_____	Total Mileage	_____

Top Gauge #	<u>204</u>	Element #	_____	Range	<u>1000'</u> Time Mode <u>1 MIN</u>
Btm. Gauge #	<u>196</u>	Element #	_____	Range	<u>1000'</u> Time Mode <u>1 MIN</u>
Type Tool	<u>JOHNSON MFE</u>	Test Depth	<u>1224-1251</u>	Zero Point	<u>6L</u>
Packer Depth	<u>1224</u>	Tail Pipe Depth	<u>1251</u>	Top Gauge Depth	<u>1168.15</u>
Bottom Hole Temp.	_____	Atmos. Temp.	_____	Bottom Gauge Depth	<u>1242.71</u>

TIME INFORMATION

PRESSURE INFORMATION

	Time	Date	
On Bottom	<u>0604</u>	<u>11-27-74</u>	Initial Hydrostatic Mud _____
Packer Set	<u>0653-0713</u>	<u>"</u>	Initial Draw Down _____
Initial Open	_____	_____	Initial Build-Up _____
Initial Shut-In	<u>0644-0711</u>	<u>"</u>	Final Flow _____
Start Flow	<u>0719-1423</u>	<u>"</u>	Final Build-Up _____
Final Shut-In	<u>1423-1455</u>	<u>"</u>	Final Hydrostatic Mud _____
Packer Unseated	<u>1505</u>	<u>"</u>	Mud Weight _____

TIME OF SURFACE NULLS

Top Gauge _____ Bottom Gauge _____

Remarks _____

JOB NUMBER
SPG-11210-J

DATE OF JOB
11-27-74

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

PREPARED FOR
ATLANTIC RICHFIELD COMPANY

WELL NUMBER FEDERAL SG-17
FIELD/LEASE TRACT C-B SORGHUM GULCH
COUNTY/PARISH RIO BLANCO
STATE COLORADO
TYPE OF TEST DRILL STEM
REFERENCE ELEV GROUND LEVEL

ADDITIONAL INFORMATION

USED GAUGE NO. 196 WITH 1000 LB. ELEMENT
GAUGE DEPTH IS 1243.71 FEET INSIDE DP
GROUND LEVEL REFERENCE IS 7036 FEET
INITIAL HYDROSTATIC IS 350.99
FINAL HYDROSTATIC IS 274.06
TEST INTERVAL IS FROM 12²64 FEET
(PACKER DEPTH) TO 1251 FEET (TD)
INSIDE DP

II B-686

42 POINTS REPORTED THIS JOB

PAGE 1 OF 3 PAGES

JOB NUMBER
SPG-11210-J

DATE OF JOB
11-27-74

GAUGE/RUN NUMBER
196 RUN NO. 10 DST NO. 13

DATE OF RUN
12-10-74

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0.000	323.957	06 44	NOV 27, 1974	INITIAL SHUTIN
.011	334.785	06 45	NOV 27, 1974	
.022	320.340	06 45	NOV 27, 1974	
.033	320.174	06 46	NOV 27, 1974	
.044	320.126	06 47	NOV 27, 1974	
.055	320.150	06 47	NOV 27, 1974	
.066	320.174	06 48	NOV 27, 1974	
.077	320.221	06 49	NOV 27, 1974	
.088	320.245	06 49	NOV 27, 1974	
.099	320.293	06 50	NOV 27, 1974	
.110	320.364	06 51	NOV 27, 1974	
.121	320.364	06 51	NOV 27, 1974	
.132	320.412	06 52	NOV 27, 1974	
.143	320.483	06 53	NOV 27, 1974	
.154	320.436	06 53	NOV 27, 1974	
.165	320.483	06 54	NOV 27, 1974	
.176	320.483	06 55	NOV 27, 1974	
.187	320.507	06 55	NOV 27, 1974	
.198	320.555	06 56	NOV 27, 1974	
.209	320.531	06 57	NOV 27, 1974	
.220	320.602	06 57	NOV 27, 1974	
.230	320.555	06 58	NOV 27, 1974	
.241	320.578	06 58	NOV 27, 1974	
.252	320.507	06 59	NOV 27, 1974	
.263	320.602	07 00	NOV 27, 1974	
.274	320.602	07 00	NOV 27, 1974	
.285	320.555	07 01	NOV 27, 1974	
.296	320.626	07 02	NOV 27, 1974	
.307	320.602	07 02	NOV 27, 1974	
.318	320.578	07 03	NOV 27, 1974	
.329	320.697	07 04	NOV 27, 1974	
.340	320.650	07 04	NOV 27, 1974	
.351	320.650	07 05	NOV 27, 1974	
.362	320.650	07 06	NOV 27, 1974	
.373	320.626	07 06	NOV 27, 1974	
.384	320.602	07 07	NOV 27, 1974	
.395	320.626	07 08	NOV 27, 1974	
.406	320.626	07 08	NOV 27, 1974	
.417	320.602	07 09	NOV 27, 1974	
.428	320.697	07 10	NOV 27, 1974	

JOB NUMBER
SPG-11210-J

DATE OF JOB
11-27-74

GAUGE/RUN NUMBER
196 RUN NO. 10 DST NO. 13

DATE OF RUN
12-10-74

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
.439	320,602	07 10	NOV 27,1974	
.450	320,626	07 11	NOV 27,1974	END SHUT-IN

II B-688

42 POINTS REPORTED THIS RUN

PAGE 3

JOB NUMBER
SPG-11210-J

DATE OF JO
11-27-7

GAUGE/RUN NUMBER
196 RUN NO, 10 DST NO, 13

DATE OF RU
12-10-7

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0,000	317,865	07 19	NOV 27,1974	OPEN TO FLOW
,016	304,087	07 20	NOV 27,1974	
,031	303,468	07 21	NOV 27,1974	
,047	303,563	07 22	NOV 27,1974	
,062	303,540	07 23	NOV 27,1974	
,078	303,587	07 24	NOV 27,1974	
,093	303,801	07 25	NOV 27,1974	
,109	303,849	07 26	NOV 27,1974	
,125	303,920	07 26	NOV 27,1974	
,140	303,920	07 27	NOV 27,1974	
,156	303,873	07 28	NOV 27,1974	
,171	303,992	07 29	NOV 27,1974	
,187	304,016	07 30	NOV 27,1974	
,202	304,016	07 31	NOV 27,1974	
,218	304,016	07 32	NOV 27,1974	
,234	304,063	07 33	NOV 27,1974	
,249	304,063	07 34	NOV 27,1974	
,265	304,111	07 35	NOV 27,1974	
,280	304,087	07 36	NOV 27,1974	
,296	304,111	07 37	NOV 27,1974	
,311	304,111	07 38	NOV 27,1974	
,327	304,111	07 39	NOV 27,1974	
,343	304,111	07 40	NOV 27,1974	
,358	304,087	07 40	NOV 27,1974	
,374	304,158	07 41	NOV 27,1974	
,389	304,135	07 42	NOV 27,1974	
,405	304,135	07 43	NOV 27,1974	
,420	304,111	07 44	NOV 27,1974	
,436	304,182	07 45	NOV 27,1974	
,452	304,158	07 46	NOV 27,1974	
,467	304,182	07 47	NOV 27,1974	
,483	304,135	07 48	NOV 27,1974	
,498	304,182	07 49	NOV 27,1974	
,514	304,111	07 50	NOV 27,1974	
,529	304,158	07 51	NOV 27,1974	
,545	304,206	07 52	NOV 27,1974	
,561	304,182	07 53	NOV 27,1974	
,576	304,230	07 54	NOV 27,1974	
,592	304,206	07 55	NOV 27,1974	
,607	304,206	07 55	NOV 27,1974	

JOB NUMBER
SPG-11210-J

DATE OF JOB
11-27-74

GAUGE/RUN NUMBER
196 RUN NO. 10 DST NO. 13

DATE OF RUN
12-10-74

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
.623	304.135	07 56	NOV 27, 1974	
.638	304.206	07 57	NOV 27, 1974	
.654	304.135	07 58	NOV 27, 1974	
.670	304.254	07 59	NOV 27, 1974	
.685	304.135	08 00	NOV 27, 1974	
.701	304.158	08 01	NOV 27, 1974	
.716	304.230	08 02	NOV 27, 1974	
.732	304.182	08 03	NOV 27, 1974	
.747	304.206	08 04	NOV 27, 1974	
.763	304.206	08 05	NOV 27, 1974	
.779	304.206	08 06	NOV 27, 1974	
.794	304.182	08 07	NOV 27, 1974	
.810	304.230	08 08	NOV 27, 1974	
.825	304.230	08 09	NOV 27, 1974	
.841	304.254	08 09	NOV 27, 1974	
.856	304.087	08 10	NOV 27, 1974	
.872	304.230	08 11	NOV 27, 1974	
.888	304.230	08 12	NOV 27, 1974	
.903	304.254	08 13	NOV 27, 1974	
.919	304.111	08 14	NOV 27, 1974	
.934	304.206	08 15	NOV 27, 1974	
.950	304.230	08 16	NOV 27, 1974	
.965	304.230	08 17	NOV 27, 1974	
.981	304.254	08 18	NOV 27, 1974	
.997	304.206	08 19	NOV 27, 1974	
1.012	304.182	08 20	NOV 27, 1974	
1.028	304.230	08 21	NOV 27, 1974	
1.043	304.158	08 22	NOV 27, 1974	
1.059	304.301	08 23	NOV 27, 1974	
1.074	304.182	08 23	NOV 27, 1974	
1.090	304.206	08 24	NOV 27, 1974	
1.106	304.206	08 25	NOV 27, 1974	
1.121	304.254	08 26	NOV 27, 1974	
1.137	304.254	08 27	NOV 27, 1974	
1.152	304.087	08 28	NOV 27, 1974	
1.168	304.158	08 29	NOV 27, 1974	
1.183	304.182	08 30	NOV 27, 1974	
1.199	304.277	08 31	NOV 27, 1974	
1.215	304.206	08 32	NOV 27, 1974	
1.230	304.206	08 33	NOV 27, 1974	

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1.246	304.206	08 34	NOV 27, 1974	
1.261	304.182	08 35	NOV 27, 1974	
1.277	304.111	08 36	NOV 27, 1974	
1.292	304.158	08 37	NOV 27, 1974	
1.308	304.111	08 37	NOV 27, 1974	
1.324	304.206	08 38	NOV 27, 1974	
1.339	304.206	08 39	NOV 27, 1974	
1.355	304.135	08 40	NOV 27, 1974	
1.370	304.230	08 41	NOV 27, 1974	
1.386	304.254	08 42	NOV 27, 1974	
1.401	304.111	08 43	NOV 27, 1974	
1.417	304.254	08 44	NOV 27, 1974	
1.433	304.254	08 45	NOV 27, 1974	
1.448	304.254	08 46	NOV 27, 1974	
1.464	304.277	08 47	NOV 27, 1974	
1.479	304.301	08 48	NOV 27, 1974	
1.495	304.158	08 49	NOV 27, 1974	
1.510	304.277	08 50	NOV 27, 1974	
1.526	304.301	08 51	NOV 27, 1974	
1.542	304.206	08 51	NOV 27, 1974	
1.557	304.254	08 52	NOV 27, 1974	
1.573	304.135	08 53	NOV 27, 1974	
1.588	304.254	08 54	NOV 27, 1974	
1.604	304.230	08 55	NOV 27, 1974	
1.619	304.158	08 56	NOV 27, 1974	
1.635	304.206	08 57	NOV 27, 1974	
1.651	304.111	08 58	NOV 27, 1974	
1.666	304.158	08 59	NOV 27, 1974	
1.682	304.230	09 00	NOV 27, 1974	
1.697	304.182	09 01	NOV 27, 1974	
1.713	304.063	09 02	NOV 27, 1974	
1.728	304.206	09 03	NOV 27, 1974	
1.744	304.111	09 04	NOV 27, 1974	
1.760	304.087	09 05	NOV 27, 1974	
1.775	304.039	09 06	NOV 27, 1974	
1.791	304.087	09 06	NOV 27, 1974	
1.806	304.206	09 07	NOV 27, 1974	
1.822	304.277	09 08	NOV 27, 1974	
1.837	304.111	09 09	NOV 27, 1974	
1.853	304.111	09 10	NOV 27, 1974	

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1,869	304,254	09 11	NOV 27,1974	
1,884	304,158	09 12	NOV 27,1974	
1,900	304,206	09 13	NOV 27,1974	
1,915	304,349	09 14	NOV 27,1974	
1,931	304,539	09 15	NOV 27,1974	
1,946	304,777	09 16	NOV 27,1974	
1,962	304,610	09 17	NOV 27,1974	
1,978	304,848	09 18	NOV 27,1974	
1,993	304,825	09 19	NOV 27,1974	
2,009	304,967	09 20	NOV 27,1974	
2,024	304,801	09 20	NOV 27,1974	
2,040	304,896	09 21	NOV 27,1974	
2,055	304,920	09 22	NOV 27,1974	
2,071	304,801	09 23	NOV 27,1974	
2,087	304,872	09 24	NOV 27,1974	
2,102	305,086	09 25	NOV 27,1974	
2,118	305,015	09 26	NOV 27,1974	
2,133	305,063	09 27	NOV 27,1974	
2,149	305,015	09 28	NOV 27,1974	
2,164	305,063	09 29	NOV 27,1974	
2,180	304,991	09 30	NOV 27,1974	
2,196	305,372	09 31	NOV 27,1974	
2,211	307,323	09 32	NOV 27,1974	
2,227	303,825	09 33	NOV 27,1974	
2,242	301,493	09 34	NOV 27,1974	
2,258	301,921	09 34	NOV 27,1974	
2,273	303,278	09 35	NOV 27,1974	
2,289	305,134	09 36	NOV 27,1974	
2,305	305,229	09 37	NOV 27,1974	
2,320	305,301	09 38	NOV 27,1974	
2,336	305,396	09 39	NOV 27,1974	
2,351	305,491	09 40	NOV 27,1974	
2,367	305,443	09 41	NOV 27,1974	
2,382	308,561	09 42	NOV 27,1974	
2,398	311,464	09 43	NOV 27,1974	
2,414	307,276	09 44	NOV 27,1974	START AIR JET
2,429	303,302	09 45	NOV 27,1974	DOWN DP
2,445	300,303	09 46	NOV 27,1974	
2,460	297,376	09 47	NOV 27,1974	
2,476	295,449	09 48	NOV 27,1974	

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2,491	293,521	09 48	NOV 27,1974	
2,507	291,808	09 49	NOV 27,1974	
2,523	289,928	09 50	NOV 27,1974	
2,538	288,690	09 51	NOV 27,1974	
2,554	287,358	09 52	NOV 27,1974	
2,569	286,096	09 53	NOV 27,1974	
2,585	284,954	09 54	NOV 27,1974	
2,600	283,812	09 55	NOV 27,1974	
2,616	282,955	09 56	NOV 27,1974	
2,632	281,932	09 57	NOV 27,1974	
2,647	280,956	09 58	NOV 27,1974	
2,663	280,052	09 59	NOV 27,1974	
2,678	279,148	10 00	NOV 27,1974	
2,694	278,362	10 01	NOV 27,1974	
2,709	277,672	10 02	NOV 27,1974	
2,725	276,887	10 02	NOV 27,1974	
2,741	276,363	10 03	NOV 27,1974	
2,756	275,769	10 04	NOV 27,1974	
2,772	275,197	10 05	NOV 27,1974	
2,787	274,507	10 06	NOV 27,1974	
2,803	273,960	10 07	NOV 27,1974	
2,818	273,651	10 08	NOV 27,1974	
2,834	273,175	10 09	NOV 27,1974	
2,850	272,722	10 10	NOV 27,1974	
2,865	272,366	10 11	NOV 27,1974	
2,881	271,913	10 12	NOV 27,1974	
2,896	271,485	10 13	NOV 27,1974	
2,912	271,081	10 14	NOV 27,1974	
2,927	270,747	10 15	NOV 27,1974	
2,943	270,414	10 16	NOV 27,1974	
2,959	269,962	10 17	NOV 27,1974	
2,974	269,534	10 17	NOV 27,1974	
2,990	269,320	10 18	NOV 27,1974	
3,005	269,201	10 19	NOV 27,1974	
3,021	268,748	10 20	NOV 27,1974	
3,036	268,391	10 21	NOV 27,1974	
3,052	268,130	10 22	NOV 27,1974	
3,068	268,130	10 23	NOV 27,1974	
3,083	267,654	10 24	NOV 27,1974	
3,099	267,440	10 25	NOV 27,1974	

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3.114	267.416	10 26	NOV 27, 1974	
3.130	267.225	10 27	NOV 27, 1974	
3.145	266.892	10 28	NOV 27, 1974	
3.161	266.845	10 29	NOV 27, 1974	
3.177	266.702	10 30	NOV 27, 1974	
3.192	266.345	10 31	NOV 27, 1974	
3.208	266.202	10 31	NOV 27, 1974	
3.223	266.155	10 32	NOV 27, 1974	
3.239	265.631	10 33	NOV 27, 1974	
3.254	265.869	10 34	NOV 27, 1974	
3.270	265.679	10 35	NOV 27, 1974	
3.286	265.607	10 36	NOV 27, 1974	
3.301	265.274	10 37	NOV 27, 1974	
3.317	265.274	10 38	NOV 27, 1974	
3.332	264.846	10 39	NOV 27, 1974	
3.348	261.133	10 40	NOV 27, 1974	
3.363	261.181	10 41	NOV 27, 1974	END AIR JET
3.379	261.110	10 42	NOV 27, 1974	DOWN DP
3.395	261.229	10 43	NOV 27, 1974	
3.410	260.967	10 44	NOV 27, 1974	
3.426	261.324	10 45	NOV 27, 1974	
3.441	261.538	10 45	NOV 27, 1974	
3.457	261.514	10 46	NOV 27, 1974	
3.472	261.133	10 47	NOV 27, 1974	
3.488	261.633	10 48	NOV 27, 1974	
3.504	261.633	10 49	NOV 27, 1974	
3.519	261.538	10 50	NOV 27, 1974	
3.535	261.110	10 51	NOV 27, 1974	
3.550	261.490	10 52	NOV 27, 1974	
3.566	261.538	10 53	NOV 27, 1974	
3.581	261.229	10 54	NOV 27, 1974	
3.597	261.252	10 55	NOV 27, 1974	
3.613	261.633	10 56	NOV 27, 1974	
3.628	261.633	10 57	NOV 27, 1974	
3.644	261.657	10 58	NOV 27, 1974	
3.659	261.371	10 59	NOV 27, 1974	
3.675	261.704	10 59	NOV 27, 1974	
3.690	261.728	11 00	NOV 27, 1974	
3.706	261.728	11 01	NOV 27, 1974	
3.722	261.419	11 02	NOV 27, 1974	

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3,737	261,704	11 03	NOV 27,1974	
3,753	261,752	11 04	NOV 27,1974	
3,768	261,562	11 05	NOV 27,1974	
3,784	261,538	11 06	NOV 27,1974	
3,799	261,657	11 07	NOV 27,1974	
3,815	261,800	11 08	NOV 27,1974	
3,831	261,728	11 09	NOV 27,1974	
3,846	261,562	11 10	NOV 27,1974	
3,862	261,657	11 11	NOV 27,1974	
3,877	261,800	11 12	NOV 27,1974	
3,893	261,823	11 13	NOV 27,1974	
3,908	261,704	11 14	NOV 27,1974	
3,924	261,609	11 14	NOV 27,1974	
3,940	261,847	11 15	NOV 27,1974	
3,955	261,657	11 16	NOV 27,1974	
3,971	261,847	11 17	NOV 27,1974	
3,986	261,681	11 18	NOV 27,1974	
4,002	261,942	11 19	NOV 27,1974	
4,017	261,871	11 20	NOV 27,1974	
4,033	261,657	11 21	NOV 27,1974	
4,049	261,847	11 22	NOV 27,1974	
4,064	262,061	11 23	NOV 27,1974	
4,080	261,752	11 24	NOV 27,1974	
4,095	261,752	11 25	NOV 27,1974	
4,111	261,895	11 26	NOV 27,1974	
4,126	261,871	11 27	NOV 27,1974	
4,142	261,966	11 28	NOV 27,1974	
4,158	261,966	11 28	NOV 27,1974	
4,173	261,990	11 29	NOV 27,1974	
4,189	261,895	11 30	NOV 27,1974	
4,204	262,109	11 31	NOV 27,1974	
4,220	261,966	11 32	NOV 27,1974	
4,235	262,109	11 33	NOV 27,1974	
4,251	262,085	11 34	NOV 27,1974	
4,267	262,180	11 35	NOV 27,1974	
4,282	261,895	11 36	NOV 27,1974	
4,298	262,157	11 37	NOV 27,1974	
4,313	262,180	11 38	NOV 27,1974	
4,329	262,061	11 39	NOV 27,1974	
4,344	262,014	11 40	NOV 27,1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
4,360	262,014	11 41	NOV 27,1974	
4,376	261,966	11 42	NOV 27,1974	
4,391	262,014	11 42	NOV 27,1974	
4,407	262,157	11 43	NOV 27,1974	
4,422	262,085	11 44	NOV 27,1974	
4,438	262,157	11 45	NOV 27,1974	
4,453	261,942	11 46	NOV 27,1974	
4,469	262,133	11 47	NOV 27,1974	
4,485	262,038	11 48	NOV 27,1974	
4,500	262,085	11 49	NOV 27,1974	
4,516	262,085	11 50	NOV 27,1974	
4,531	262,252	11 51	NOV 27,1974	
4,547	262,204	11 52	NOV 27,1974	
4,562	262,252	11 53	NOV 27,1974	
4,578	262,418	11 54	NOV 27,1974	
4,594	262,180	11 55	NOV 27,1974	
4,609	262,276	11 56	NOV 27,1974	
4,625	262,252	11 56	NOV 27,1974	
4,640	262,133	11 57	NOV 27,1974	
4,656	262,323	11 58	NOV 27,1974	
4,671	262,157	11 59	NOV 27,1974	
4,687	262,347	12 00	NOV 27,1974	
4,703	262,323	12 01	NOV 27,1974	
4,718	262,347	12 02	NOV 27,1974	
4,734	262,347	12 03	NOV 27,1974	
4,749	262,347	12 04	NOV 27,1974	
4,765	262,395	12 05	NOV 27,1974	
4,780	262,228	12 06	NOV 27,1974	
4,796	262,252	12 07	NOV 27,1974	
4,812	262,109	12 08	NOV 27,1974	
4,827	262,442	12 09	NOV 27,1974	
4,843	262,276	12 10	NOV 27,1974	
4,858	262,323	12 10	NOV 27,1974	
4,874	262,204	12 11	NOV 27,1974	
4,889	262,299	12 12	NOV 27,1974	
4,905	262,228	12 13	NOV 27,1974	
4,921	262,133	12 14	NOV 27,1974	
4,936	262,204	12 15	NOV 27,1974	
4,952	262,514	12 16	NOV 27,1974	
4,967	262,395	12 17	NOV 27,1974	

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4.983	262.395	12 18	NOV 27, 1974	
4.998	262.276	12 19	NOV 27, 1974	
5.014	262.466	12 20	NOV 27, 1974	
5.030	262.514	12 21	NOV 27, 1974	
5.045	262.466	12 22	NOV 27, 1974	
5.061	262.418	12 23	NOV 27, 1974	
5.076	262.395	12 24	NOV 27, 1974	
5.092	262.585	12 25	NOV 27, 1974	
5.107	262.466	12 25	NOV 27, 1974	
5.123	262.252	12 26	NOV 27, 1974	START 2.5 GPM
5.139	262.490	12 27	NOV 27, 1974	DOWN DP
5.154	262.252	12 28	NOV 27, 1974	
5.170	262.514	12 29	NOV 27, 1974	
5.185	262.680	12 30	NOV 27, 1974	
5.201	262.561	12 31	NOV 27, 1974	
5.216	262.871	12 32	NOV 27, 1974	
5.232	263.418	12 33	NOV 27, 1974	
5.248	263.894	12 34	NOV 27, 1974	
5.263	264.108	12 35	NOV 27, 1974	
5.279	264.869	12 36	NOV 27, 1974	
5.294	265.322	12 37	NOV 27, 1974	
5.310	266.083	12 38	NOV 27, 1974	
5.325	266.250	12 39	NOV 27, 1974	
5.341	266.630	12 39	NOV 27, 1974	
5.357	266.868	12 40	NOV 27, 1974	
5.372	267.249	12 41	NOV 27, 1974	END 2.5 GPM
5.388	267.535	12 42	NOV 27, 1974	DOWN DP
5.403	268.130	12 43	NOV 27, 1974	
5.419	268.391	12 44	NOV 27, 1974	
5.434	268.796	12 45	NOV 27, 1974	
5.450	269.153	12 46	NOV 27, 1974	
5.466	268.963	12 47	NOV 27, 1974	START 5 GPM
5.481	269.201	12 48	NOV 27, 1974	DOWN DP
5.497	269.224	12 49	NOV 27, 1974	
5.512	269.177	12 50	NOV 27, 1974	
5.528	269.557	12 51	NOV 27, 1974	
5.543	271.104	12 52	NOV 27, 1974	
5.559	272.818	12 53	NOV 27, 1974	
5.575	274.103	12 53	NOV 27, 1974	
5.590	274.888	12 54	NOV 27, 1974	

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5,606	276,435	12 55	NOV 27,1974	
5,621	277,648	12 56	NOV 27,1974	
5,637	279,267	12 57	NOV 27,1974	
5,652	280,885	12 58	NOV 27,1974	
5,668	282,455	12 59	NOV 27,1974	
5,684	283,764	13 00	NOV 27,1974	
5,699	285,501	13 01	NOV 27,1974	
5,715	287,286	13 02	NOV 27,1974	
5,730	289,000	13 03	NOV 27,1974	
5,746	290,808	13 04	NOV 27,1974	
5,761	292,569	13 05	NOV 27,1974	
5,777	294,425	13 06	NOV 27,1974	
5,793	296,186	13 07	NOV 27,1974	
5,808	297,995	13 07	NOV 27,1974	
5,824	299,185	13 08	NOV 27,1974	
5,839	300,898	13 09	NOV 27,1974	START 10 GPM
5,855	303,087	13 10	NOV 27,1974	DOWN DP
5,870	305,324	13 11	NOV 27,1974	
5,886	307,442	13 12	NOV 27,1974	
5,902	309,798	13 13	NOV 27,1974	
5,917	312,535	13 14	NOV 27,1974	
5,933	315,224	13 15	NOV 27,1974	
5,948	318,151	13 16	NOV 27,1974	
5,964	321,411	13 17	NOV 27,1974	
5,979	324,576	13 18	NOV 27,1974	
5,995	327,670	13 19	NOV 27,1974	
6,011	330,978	13 20	NOV 27,1974	
6,026	334,262	13 21	NOV 27,1974	
6,042	338,474	13 22	NOV 27,1974	
6,057	342,710	13 22	NOV 27,1974	
6,073	346,779	13 23	NOV 27,1974	
6,088	350,753	13 24	NOV 27,1974	
6,104	351,967	13 25	NOV 27,1974	
6,120	352,657	13 26	NOV 27,1974	
6,135	352,918	13 27	NOV 27,1974	
6,151	352,942	13 28	NOV 27,1974	
6,166	352,918	13 29	NOV 27,1974	
6,182	352,942	13 30	NOV 27,1974	
6,197	352,918	13 31	NOV 27,1974	
6,213	352,990	13 32	NOV 27,1974	

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6,229	353,014	13 33	NOV 27,1974	
6,244	352,942	13 34	NOV 27,1974	
6,260	352,895	13 35	NOV 27,1974	START 20 GPM
6,275	353,275	13 36	NOV 27,1974	DOWN DP
6,291	353,513	13 36	NOV 27,1974	
6,306	363,746	13 37	NOV 27,1974	
6,322	372,313	13 38	NOV 27,1974	
6,338	381,903	13 39	NOV 27,1974	
6,353	391,565	13 40	NOV 27,1974	
6,369	399,085	13 41	NOV 27,1974	
6,384	409,127	13 42	NOV 27,1974	
6,400	419,122	13 43	NOV 27,1974	
6,415	429,569	13 44	NOV 27,1974	
6,431	440,087	13 45	NOV 27,1974	
6,447	450,891	13 46	NOV 27,1974	
6,462	461,599	13 47	NOV 27,1974	
6,478	472,332	13 48	NOV 27,1974	
6,493	482,565	13 49	NOV 27,1974	
6,509	493,773	13 50	NOV 27,1974	
6,524	505,291	13 50	NOV 27,1974	
6,540	516,618	13 51	NOV 27,1974	
6,556	527,493	13 52	NOV 27,1974	
6,571	534,442	13 53	NOV 27,1974	
6,587	536,132	13 54	NOV 27,1974	
6,602	536,132	13 55	NOV 27,1974	END 20 GPM
6,618	535,822	13 56	NOV 27,1974	DOWN DP
6,633	535,656	13 57	NOV 27,1974	
6,649	535,418	13 58	NOV 27,1974	
6,665	535,108	13 59	NOV 27,1974	
6,680	534,966	14 00	NOV 27,1974	
6,696	541,248	14 01	NOV 27,1974	
6,711	534,585	14 02	NOV 27,1974	
6,727	534,870	14 03	NOV 27,1974	
6,742	534,632	14 04	NOV 27,1974	
6,758	534,442	14 04	NOV 27,1974	
6,774	534,228	14 05	NOV 27,1974	
6,789	533,990	14 06	NOV 27,1974	
6,805	533,752	14 07	NOV 27,1974	
6,820	533,585	14 08	NOV 27,1974	
6,836	533,419	14 09	NOV 27,1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
6,851	533,300	14 10	NOV 27,1974	
6,867	533,109	14 11	NOV 27,1974	
6,883	532,895	14 12	NOV 27,1974	
6,898	532,800	14 13	NOV 27,1974	
6,914	532,610	14 14	NOV 27,1974	
6,929	532,443	14 15	NOV 27,1974	
6,945	532,277	14 16	NOV 27,1974	
6,960	532,205	14 17	NOV 27,1974	
6,976	532,062	14 18	NOV 27,1974	
6,992	531,896	14 18	NOV 27,1974	
7,007	531,801	14 19	NOV 27,1974	
7,023	531,658	14 20	NOV 27,1974	
7,038	531,515	14 21	NOV 27,1974	
7,054	334,285	14 22	NOV 27,1974	
7,069	363,508	14 23	NOV 27,1974	CYCLE PACKER TO CLOSE FOR FINAL SHUT-IN
7,085	374,645	14 24	NOV 27,1974	
7,101	378,357	14 25	NOV 27,1974	
7,116	377,572	14 26	NOV 27,1974	
7,132	376,240	14 27	NOV 27,1974	
7,147	374,812	14 28	NOV 27,1974	
7,163	373,194	14 29	NOV 27,1974	
7,178	371,837	14 30	NOV 27,1974	
7,194	370,219	14 31	NOV 27,1974	
7,210	368,767	14 32	NOV 27,1974	
7,225	367,363	14 33	NOV 27,1974	
7,241	366,292	14 33	NOV 27,1974	
7,256	364,841	14 34	NOV 27,1974	
7,272	364,460	14 35	NOV 27,1974	
7,287	363,080	14 36	NOV 27,1974	
7,303	361,723	14 37	NOV 27,1974	
7,319	360,629	14 38	NOV 27,1974	
7,334	359,320	14 39	NOV 27,1974	
7,350	358,249	14 40	NOV 27,1974	
7,365	357,630	14 41	NOV 27,1974	
7,381	356,369	14 42	NOV 27,1974	
7,396	355,084	14 43	NOV 27,1974	
7,412	353,823	14 44	NOV 27,1974	
7,428	352,918	14 45	NOV 27,1974	
7,443	351,729	14 46	NOV 27,1974	
7,459	350,848	14 47	NOV 27,1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
7,474	349,706	14 47	NOV 27,1974	
7,490	348,564	14 48	NOV 27,1974	
7,505	347,421	14 49	NOV 27,1974	
7,521	346,255	14 50	NOV 27,1974	
7,537	345,232	14 51	NOV 27,1974	
7,552	344,066	14 52	NOV 27,1974	
7,568	343,019	14 53	NOV 27,1974	
7,583	341,996	14 54	NOV 27,1974	
7,599	340,901	14 55	NOV 27,1974	
7,614	339,973	14 56	NOV 27,1974	
7,630	339,021	14 57	NOV 27,1974	
7,646	337,760	14 58	NOV 27,1974	
7,661	336,974	14 59	NOV 27,1974	
7,677	336,118	15 00	NOV 27,1974	
7,692	335,118	15 01	NOV 27,1974	
7,708	334,500	15 01	NOV 27,1974	
7,723	333,571	15 02	NOV 27,1974	
7,739	332,715	15 03	NOV 27,1974	
7,755	331,810	15 04	NOV 27,1974	START 20 GPM
7,770	331,144	15 05	NOV 27,1974	DOWN ANNULUS
7,786	330,692	15 06	NOV 27,1974	
7,801	329,931	15 07	NOV 27,1974	
7,817	329,193	15 08	NOV 27,1974	
7,832	328,669	15 09	NOV 27,1974	
7,848	328,146	15 10	NOV 27,1974	
7,864	329,788	15 11	NOV 27,1974	
7,879	327,027	15 12	NOV 27,1974	
7,895	326,409	15 13	NOV 27,1974	
7,910	325,814	15 14	NOV 27,1974	
7,926	325,266	15 15	NOV 27,1974	
7,941	324,576	15 15	NOV 27,1974	
7,957	324,029	15 16	NOV 27,1974	
7,973	323,482	15 17	NOV 27,1974	
7,988	323,172	15 18	NOV 27,1974	
8,004	322,649	15 19	NOV 27,1974	START 40 GPM
8,019	322,149	15 20	NOV 27,1974	DOWN ANNULUS
8,035	321,602	15 21	NOV 27,1974	
8,050	321,292	15 22	NOV 27,1974	
8,066	320,745	15 23	NOV 27,1974	
8,082	320,602	15 24	NOV 27,1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
8.097	320.364	15 25	NOV 27, 1974	
8.113	320.150	15 26	NOV 27, 1974	
8.128	320.293	15 27	NOV 27, 1974	
8.144	320.150	15 28	NOV 27, 1974	
8.159	320.079	15 29	NOV 27, 1974	
8.175	319.983	15 29	NOV 27, 1974	
8.191	320.126	15 30	NOV 27, 1974	
8.206	320.221	15 31	NOV 27, 1974	
8.222	320.198	15 32	NOV 27, 1974	
8.237	320.507	15 33	NOV 27, 1974	
8.253	320.792	15 34	NOV 27, 1974	START 55 GPM
8.268	320.864	15 35	NOV 27, 1974	DOWN ANNULUS
8.284	321.054	15 36	NOV 27, 1974	
8.300	321.411	15 37	NOV 27, 1974	
8.315	321.483	15 38	NOV 27, 1974	
8.331	321.887	15 39	NOV 27, 1974	
8.346	321.863	15 40	NOV 27, 1974	
8.362	315.105	15 41	NOV 27, 1974	
8.377	322.530	15 42	NOV 27, 1974	
8.393	322.768	15 43	NOV 27, 1974	
8.409	322.863	15 44	NOV 27, 1974	
8.424	323.196	15 44	NOV 27, 1974	
8.440	323.434	15 45	NOV 27, 1974	
8.455	323.529	15 46	NOV 27, 1974	
8.471	323.957	15 47	NOV 27, 1974	
8.486	323.957	15 48	NOV 27, 1974	
8.502	324.291	15 49	NOV 27, 1974	END 55 GPM
8.518	324.410	15 50	NOV 27, 1974	DOWN ANNULUS
8.533	324.529	15 51	NOV 27, 1974	
8.549	324.719	15 52	NOV 27, 1974	
8.564	324.886	15 53	NOV 27, 1974	
8.580	324.957	15 54	NOV 27, 1974	
8.595	324.933	15 55	NOV 27, 1974	
8.611	324.838	15 56	NOV 27, 1974	
8.627	324.743	15 57	NOV 27, 1974	
8.642	324.552	15 58	NOV 27, 1974	
8.658	324.219	15 58	NOV 27, 1974	
8.673	324.053	15 59	NOV 27, 1974	
8.689	323.672	16 00	NOV 27, 1974	
8.704	323.386	16 01	NOV 27, 1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
8.720	322.958	16 02	NOV 27, 1974	
8.736	322.482	16 03	NOV 27, 1974	
8.751	322.030	16 04	NOV 27, 1974	
8.767	321.697	16 05	NOV 27, 1974	END TEST

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PRECISION SUBSURFACE PRESSURE GAUGE REPORT

PREPARED FOR
ATLANTIC RICHFIELD COMPANY

WELL NUMBER FEDERAL SG-17
FIELD/LEASE TRACT C-B SORGHUM GULCH
COUNTY/PARISH RIO BLANCO
STATE COLORADO
TYPE OF TEST DRILL STEM
REFERENCE ELEV GROUND LEVEL

ADDITIONAL INFORMATION

USED GAUGE NO. 204 WITH 1000 LB. ELEMENT

GAUGE DEPTH IS 1168.15 FEET OUTSIDE

DP - IN ANNULUS

GROUND LEVEL REFERENCE IS 7036 FEET

INITIAL HYDROSTATIC IS 317.73

FINAL HYDROSTATIC IS 299.75

TEST INTERVAL IS FROM ZERO FEET

(SURFACE) TO 12³/₄ FEET (PACKER DEPTH)

INSIDE ANNULUS

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SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0.000	317.729	06 44	NOV 27, 1974	START INITIAL
.019	319.788	06 45	NOV 27, 1974	SHUT-IN
.037	320.932	06 46	NOV 27, 1974	
.056	321.618	06 47	NOV 27, 1974	
.074	322.075	06 48	NOV 27, 1974	
.093	322.327	06 50	NOV 27, 1974	
.111	322.487	06 51	NOV 27, 1974	
.130	322.647	06 52	NOV 27, 1974	
.148	322.716	06 53	NOV 27, 1974	
.167	322.761	06 54	NOV 27, 1974	
.185	322.830	06 55	NOV 27, 1974	
.204	322.876	06 56	NOV 27, 1974	
.222	322.922	06 57	NOV 27, 1974	
.241	322.922	06 58	NOV 27, 1974	
.259	322.944	07 00	NOV 27, 1974	
.278	322.967	07 01	NOV 27, 1974	
.296	323.013	07 02	NOV 27, 1974	
.315	323.013	07 03	NOV 27, 1974	
.333	322.990	07 04	NOV 27, 1974	
.352	323.059	07 05	NOV 27, 1974	
.370	323.059	07 06	NOV 27, 1974	
.389	323.059	07 07	NOV 27, 1974	
.407	323.059	07 08	NOV 27, 1974	
.426	323.105	07 10	NOV 27, 1974	
.444	323.105	07 11	NOV 27, 1974	
.463	323.127	07 12	NOV 27, 1974	
.481	323.127	07 13	NOV 27, 1974	
.500	323.173	07 14	NOV 27, 1974	END SHUT-IN

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0,000	320,200	07 19	NOV 27,1974	OPEN TO FLOW
,016	321,366	07 20	NOV 27,1974	
,033	322,007	07 21	NOV 27,1974	
,049	322,350	07 22	NOV 27,1974	
,066	322,579	07 23	NOV 27,1974	
,082	322,807	07 24	NOV 27,1974	
,099	322,944	07 25	NOV 27,1974	
,115	323,082	07 26	NOV 27,1974	
,132	323,196	07 27	NOV 27,1974	
,148	323,219	07 28	NOV 27,1974	
,165	323,242	07 29	NOV 27,1974	
,181	323,265	07 30	NOV 27,1974	
,198	323,288	07 31	NOV 27,1974	
,214	323,356	07 32	NOV 27,1974	
,231	323,356	07 33	NOV 27,1974	
,247	323,356	07 34	NOV 27,1974	
,264	323,402	07 35	NOV 27,1974	
,280	323,379	07 36	NOV 27,1974	
,297	323,402	07 37	NOV 27,1974	
,313	323,402	07 38	NOV 27,1974	
,330	323,448	07 39	NOV 27,1974	
,346	323,471	07 40	NOV 27,1974	
,363	323,448	07 41	NOV 27,1974	
,379	323,471	07 42	NOV 27,1974	
,395	323,471	07 43	NOV 27,1974	
,412	323,471	07 44	NOV 27,1974	
,428	323,493	07 45	NOV 27,1974	
,445	323,516	07 46	NOV 27,1974	
,461	323,539	07 47	NOV 27,1974	
,478	323,539	07 48	NOV 27,1974	
,494	323,585	07 49	NOV 27,1974	
,511	323,654	07 50	NOV 27,1974	
,527	323,654	07 51	NOV 27,1974	
,544	323,676	07 52	NOV 27,1974	
,560	323,654	07 53	NOV 27,1974	
,577	323,654	07 54	NOV 27,1974	
,593	323,699	07 55	NOV 27,1974	
,610	323,699	07 56	NOV 27,1974	
,626	323,722	07 57	NOV 27,1974	
,643	323,722	07 58	NOV 27,1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
.659	323.745	07 59	NOV 27, 1974	
.676	323.768	08 00	NOV 27, 1974	
.692	323.745	08 01	NOV 27, 1974	
.709	323.768	08 02	NOV 27, 1974	
.725	323.791	08 03	NOV 27, 1974	
.742	323.814	08 03	NOV 27, 1974	
.758	323.791	08 04	NOV 27, 1974	
.774	323.791	08 05	NOV 27, 1974	
.791	323.791	08 06	NOV 27, 1974	
.807	323.814	08 07	NOV 27, 1974	
.824	323.837	08 08	NOV 27, 1974	
.840	323.837	08 09	NOV 27, 1974	
.857	323.882	08 10	NOV 27, 1974	
.873	323.882	08 11	NOV 27, 1974	
.890	323.882	08 12	NOV 27, 1974	
.906	323.882	08 13	NOV 27, 1974	
.923	323.905	08 14	NOV 27, 1974	
.939	323.882	08 15	NOV 27, 1974	
.956	323.928	08 16	NOV 27, 1974	
.972	323.905	08 17	NOV 27, 1974	
.989	323.951	08 18	NOV 27, 1974	
1.005	323.928	08 19	NOV 27, 1974	
1.022	323.951	08 20	NOV 27, 1974	
1.038	323.928	08 21	NOV 27, 1974	
1.055	323.951	08 22	NOV 27, 1974	
1.071	323.974	08 23	NOV 27, 1974	
1.088	323.997	08 24	NOV 27, 1974	
1.104	323.997	08 25	NOV 27, 1974	
1.121	324.020	08 26	NOV 27, 1974	
1.137	324.020	08 27	NOV 27, 1974	
1.154	324.020	08 28	NOV 27, 1974	
1.170	324.020	08 29	NOV 27, 1974	
1.186	324.020	08 30	NOV 27, 1974	
1.203	324.065	08 31	NOV 27, 1974	
1.219	324.042	08 32	NOV 27, 1974	
1.236	324.065	08 33	NOV 27, 1974	
1.252	324.088	08 34	NOV 27, 1974	
1.269	324.088	08 35	NOV 27, 1974	
1.285	324.111	08 36	NOV 27, 1974	
1.302	324.088	08 37	NOV 27, 1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
1,318	324,157	08 38	NOV 27,1974	
1,335	324,134	08 39	NOV 27,1974	
1,351	324,180	08 40	NOV 27,1974	
1,368	324,180	08 41	NOV 27,1974	
1,384	324,225	08 42	NOV 27,1974	
1,401	324,225	08 43	NOV 27,1974	
1,417	324,248	08 44	NOV 27,1974	
1,434	324,248	08 45	NOV 27,1974	
1,450	324,271	08 46	NOV 27,1974	
1,467	324,271	08 47	NOV 27,1974	
1,483	324,271	08 48	NOV 27,1974	
1,500	324,294	08 49	NOV 27,1974	
1,516	324,317	08 50	NOV 27,1974	
1,533	324,294	08 51	NOV 27,1974	
1,549	324,294	08 52	NOV 27,1974	
1,565	324,271	08 53	NOV 27,1974	
1,582	324,317	08 54	NOV 27,1974	
1,598	324,317	08 55	NOV 27,1974	
1,615	324,317	08 56	NOV 27,1974	
1,631	324,340	08 57	NOV 27,1974	
1,648	324,340	08 58	NOV 27,1974	
1,664	324,363	08 59	NOV 27,1974	
1,681	324,363	09 00	NOV 27,1974	
1,697	324,363	09 01	NOV 27,1974	
1,714	324,363	09 02	NOV 27,1974	
1,730	324,408	09 03	NOV 27,1974	
1,747	324,385	09 04	NOV 27,1974	
1,763	324,363	09 05	NOV 27,1974	
1,780	324,340	09 06	NOV 27,1974	
1,796	324,408	09 07	NOV 27,1974	
1,813	324,385	09 08	NOV 27,1974	
1,829	324,408	09 09	NOV 27,1974	
1,846	324,317	09 10	NOV 27,1974	
1,862	324,363	09 11	NOV 27,1974	
1,879	324,363	09 12	NOV 27,1974	
1,895	324,363	09 13	NOV 27,1974	
1,912	324,363	09 14	NOV 27,1974	
1,928	324,363	09 15	NOV 27,1974	
1,944	324,454	09 16	NOV 27,1974	
1,961	324,385	09 17	NOV 27,1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
1.977	324.431	09 18	NOV 27, 1974	
1.994	324.454	09 19	NOV 27, 1974	
2.010	324.523	09 20	NOV 27, 1974	
2.027	324.477	09 21	NOV 27, 1974	
2.043	324.477	09 22	NOV 27, 1974	
2.060	324.523	09 23	NOV 27, 1974	
2.076	324.546	09 24	NOV 27, 1974	
2.093	324.500	09 25	NOV 27, 1974	
2.109	324.454	09 26	NOV 27, 1974	
2.126	324.546	09 27	NOV 27, 1974	
2.142	324.523	09 28	NOV 27, 1974	
2.159	324.546	09 29	NOV 27, 1974	
2.175	324.546	09 30	NOV 27, 1974	
2.192	324.568	09 31	NOV 27, 1974	
2.208	324.500	09 31	NOV 27, 1974	
2.225	324.546	09 32	NOV 27, 1974	
2.241	324.546	09 33	NOV 27, 1974	
2.258	324.546	09 34	NOV 27, 1974	
2.274	324.568	09 35	NOV 27, 1974	
2.291	324.568	09 36	NOV 27, 1974	
2.307	324.568	09 37	NOV 27, 1974	
2.323	324.614	09 38	NOV 27, 1974	
2.340	324.591	09 39	NOV 27, 1974	
2.356	324.568	09 40	NOV 27, 1974	
2.373	324.591	09 41	NOV 27, 1974	
2.389	324.614	09 42	NOV 27, 1974	
2.406	324.660	09 43	NOV 27, 1974	
2.422	324.614	09 44	NOV 27, 1974	START AIR JET
2.439	324.614	09 45	NOV 27, 1974	DOWN DP
2.455	324.660	09 46	NOV 27, 1974	
2.472	324.660	09 47	NOV 27, 1974	
2.488	324.568	09 48	NOV 27, 1974	
2.505	324.568	09 49	NOV 27, 1974	
2.521	324.637	09 50	NOV 27, 1974	
2.538	324.591	09 51	NOV 27, 1974	
2.554	324.637	09 52	NOV 27, 1974	
2.571	324.637	09 53	NOV 27, 1974	
2.587	324.637	09 54	NOV 27, 1974	
2.604	324.591	09 55	NOV 27, 1974	
2.620	324.614	09 56	NOV 27, 1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
2,637	324,637	09 57	NOV 27, 1974	
2,653	324,683	09 58	NOV 27, 1974	
2,670	324,637	09 59	NOV 27, 1974	
2,686	324,683	10 00	NOV 27, 1974	
2,703	324,660	10 01	NOV 27, 1974	
2,719	324,729	10 02	NOV 27, 1974	
2,735	324,683	10 03	NOV 27, 1974	
2,752	324,683	10 04	NOV 27, 1974	
2,768	324,729	10 05	NOV 27, 1974	
2,785	324,751	10 06	NOV 27, 1974	
2,801	324,751	10 07	NOV 27, 1974	
2,818	324,751	10 08	NOV 27, 1974	
2,834	324,774	10 09	NOV 27, 1974	
2,851	324,797	10 10	NOV 27, 1974	
2,867	324,774	10 11	NOV 27, 1974	
2,884	324,751	10 12	NOV 27, 1974	
2,900	324,751	10 13	NOV 27, 1974	
2,917	324,820	10 14	NOV 27, 1974	
2,933	324,774	10 15	NOV 27, 1974	
2,950	324,774	10 16	NOV 27, 1974	
2,966	324,751	10 17	NOV 27, 1974	
2,983	324,820	10 18	NOV 27, 1974	
2,999	324,797	10 19	NOV 27, 1974	
3,016	324,820	10 20	NOV 27, 1974	
3,032	324,797	10 21	NOV 27, 1974	
3,049	324,866	10 22	NOV 27, 1974	
3,065	324,843	10 23	NOV 27, 1974	
3,082	324,820	10 24	NOV 27, 1974	
3,098	324,820	10 25	NOV 27, 1974	
3,114	324,866	10 26	NOV 27, 1974	
3,131	324,820	10 27	NOV 27, 1974	
3,147	324,866	10 28	NOV 27, 1974	
3,164	324,866	10 29	NOV 27, 1974	
3,180	324,889	10 30	NOV 27, 1974	
3,197	324,866	10 31	NOV 27, 1974	
3,213	324,866	10 32	NOV 27, 1974	
3,230	324,889	10 33	NOV 27, 1974	
3,246	324,912	10 34	NOV 27, 1974	
3,263	324,889	10 35	NOV 27, 1974	
3,279	324,889	10 36	NOV 27, 1974	

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3,296	324,912	10 37	NOV 27,1974	
3,312	324,912	10 38	NOV 27,1974	
3,329	324,912	10 39	NOV 27,1974	
3,345	324,912	10 40	NOV 27,1974	
3,362	324,934	10 41	NOV 27,1974	END AIR JET
3,378	324,934	10 42	NOV 27,1974	DOWN CP
3,395	324,912	10 43	NOV 27,1974	
3,411	324,912	10 44	NOV 27,1974	
3,428	324,912	10 45	NOV 27,1974	
3,444	325,095	10 46	NOV 27,1974	
3,461	325,026	10 47	NOV 27,1974	
3,477	325,003	10 48	NOV 27,1974	
3,493	325,026	10 49	NOV 27,1974	
3,510	325,026	10 50	NOV 27,1974	
3,526	325,003	10 51	NOV 27,1974	
3,543	325,049	10 52	NOV 27,1974	
3,559	325,140	10 53	NOV 27,1974	
3,576	325,072	10 54	NOV 27,1974	
3,592	325,072	10 55	NOV 27,1974	
3,609	325,049	10 56	NOV 27,1974	
3,625	325,095	10 57	NOV 27,1974	
3,642	325,117	10 58	NOV 27,1974	
3,658	325,117	10 58	NOV 27,1974	
3,675	325,072	10 59	NOV 27,1974	
3,691	325,095	11 00	NOV 27,1974	
3,708	325,117	11 01	NOV 27,1974	
3,724	325,095	11 02	NOV 27,1974	
3,741	325,072	11 03	NOV 27,1974	
3,757	325,140	11 04	NOV 27,1974	
3,774	325,140	11 05	NOV 27,1974	
3,790	325,117	11 06	NOV 27,1974	
3,807	325,095	11 07	NOV 27,1974	
3,823	325,163	11 08	NOV 27,1974	
3,840	325,163	11 09	NOV 27,1974	
3,856	325,140	11 10	NOV 27,1974	
3,872	325,140	11 11	NOV 27,1974	
3,889	325,140	11 12	NOV 27,1974	
3,905	325,232	11 13	NOV 27,1974	
3,922	325,186	11 14	NOV 27,1974	
3,938	325,163	11 15	NOV 27,1974	

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3.955	325.209	11 16	NOV 27, 1974	
3.971	325.232	11 17	NOV 27, 1974	
3.988	325.232	11 18	NOV 27, 1974	
4.004	325.209	11 19	NOV 27, 1974	
4.021	325.255	11 20	NOV 27, 1974	
4.037	325.232	11 21	NOV 27, 1974	
4.054	325.232	11 22	NOV 27, 1974	
4.070	325.255	11 23	NOV 27, 1974	
4.087	325.255	11 24	NOV 27, 1974	
4.103	325.278	11 25	NOV 27, 1974	
4.120	325.278	11 26	NOV 27, 1974	
4.136	325.255	11 27	NOV 27, 1974	
4.153	325.255	11 28	NOV 27, 1974	
4.169	325.278	11 29	NOV 27, 1974	
4.186	325.300	11 30	NOV 27, 1974	
4.202	325.278	11 31	NOV 27, 1974	
4.219	325.323	11 32	NOV 27, 1974	
4.235	325.346	11 33	NOV 27, 1974	
4.252	325.369	11 34	NOV 27, 1974	
4.268	325.369	11 35	NOV 27, 1974	
4.284	325.392	11 36	NOV 27, 1974	
4.301	325.346	11 37	NOV 27, 1974	
4.317	325.346	11 38	NOV 27, 1974	
4.334	325.346	11 39	NOV 27, 1974	
4.350	325.392	11 40	NOV 27, 1974	
4.367	325.369	11 41	NOV 27, 1974	
4.383	325.369	11 42	NOV 27, 1974	
4.400	325.369	11 43	NOV 27, 1974	
4.416	325.392	11 44	NOV 27, 1974	
4.433	325.415	11 45	NOV 27, 1974	
4.449	325.392	11 46	NOV 27, 1974	
4.466	325.392	11 47	NOV 27, 1974	
4.482	325.438	11 48	NOV 27, 1974	
4.499	325.460	11 49	NOV 27, 1974	
4.515	325.438	11 50	NOV 27, 1974	
4.532	325.438	11 51	NOV 27, 1974	
4.548	325.483	11 52	NOV 27, 1974	
4.565	325.460	11 53	NOV 27, 1974	
4.581	325.438	11 54	NOV 27, 1974	
4.598	325.415	11 55	NOV 27, 1974	

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4.614	325.460	11 56	NOV 27, 1974	
4.631	325.460	11 57	NOV 27, 1974	
4.647	325.460	11 58	NOV 27, 1974	
4.663	325.438	11 59	NOV 27, 1974	
4.680	325.460	12 00	NOV 27, 1974	
4.696	325.483	12 01	NOV 27, 1974	
4.713	325.460	12 02	NOV 27, 1974	
4.729	325.438	12 03	NOV 27, 1974	
4.746	325.483	12 04	NOV 27, 1974	
4.762	325.483	12 05	NOV 27, 1974	
4.779	325.483	12 06	NOV 27, 1974	
4.795	325.438	12 07	NOV 27, 1974	
4.812	325.483	12 08	NOV 27, 1974	
4.828	325.506	12 09	NOV 27, 1974	
4.845	325.460	12 10	NOV 27, 1974	
4.861	325.506	12 11	NOV 27, 1974	
4.878	325.460	12 12	NOV 27, 1974	
4.894	325.529	12 13	NOV 27, 1974	
4.911	325.483	12 14	NOV 27, 1974	
4.927	325.483	12 15	NOV 27, 1974	
4.944	325.506	12 16	NOV 27, 1974	
4.960	325.506	12 17	NOV 27, 1974	
4.977	325.529	12 18	NOV 27, 1974	
4.993	325.460	12 19	NOV 27, 1974	
5.010	325.552	12 20	NOV 27, 1974	
5.026	325.575	12 21	NOV 27, 1974	
5.042	325.529	12 22	NOV 27, 1974	
5.059	325.506	12 23	NOV 27, 1974	
5.075	325.598	12 24	NOV 27, 1974	
5.092	325.552	12 25	NOV 27, 1974	
5.108	325.575	12 26	NOV 27, 1974	START 2.5 GPM
5.125	325.529	12 26	NOV 27, 1974	DOWN DP
5.141	325.621	12 27	NOV 27, 1974	
5.158	325.598	12 28	NOV 27, 1974	
5.174	325.598	12 29	NOV 27, 1974	
5.191	325.575	12 30	NOV 27, 1974	
5.207	325.598	12 31	NOV 27, 1974	
5.224	325.598	12 32	NOV 27, 1974	
5.240	325.621	12 33	NOV 27, 1974	
5.257	325.621	12 34	NOV 27, 1974	

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5,273	325,621	12 35	NOV 27,1974	
5,290	325,621	12 36	NOV 27,1974	
5,306	325,643	12 37	NOV 27,1974	
5,323	325,643	12 38	NOV 27,1974	
5,339	325,643	12 39	NOV 27,1974	
5,356	325,643	12 40	NOV 27,1974	
5,372	325,643	12 41	NOV 27,1974	END 2.5 GPM
5,389	325,643	12 42	NOV 27,1974	DOWN DP
5,405	325,643	12 43	NOV 27,1974	
5,421	325,689	12 44	NOV 27,1974	
5,438	325,689	12 45	NOV 27,1974	
5,454	325,666	12 46	NOV 27,1974	
5,471	325,689	12 47	NOV 27,1974	START 5 GPM
5,487	325,735	12 48	NOV 27,1974	DOWN DP
5,504	325,689	12 49	NOV 27,1974	
5,520	325,689	12 50	NOV 27,1974	
5,537	325,735	12 51	NOV 27,1974	
5,553	325,735	12 52	NOV 27,1974	
5,570	325,735	12 53	NOV 27,1974	
5,586	325,735	12 54	NOV 27,1974	
5,603	325,781	12 55	NOV 27,1974	
5,619	325,689	12 56	NOV 27,1974	
5,636	325,712	12 57	NOV 27,1974	
5,652	325,758	12 58	NOV 27,1974	
5,669	325,781	12 59	NOV 27,1974	
5,685	325,758	13 00	NOV 27,1974	
5,702	325,781	13 01	NOV 27,1974	
5,718	325,758	13 02	NOV 27,1974	
5,735	325,804	13 03	NOV 27,1974	
5,751	325,804	13 04	NOV 27,1974	
5,768	325,804	13 05	NOV 27,1974	
5,784	325,735	13 06	NOV 27,1974	
5,801	325,849	13 07	NOV 27,1974	
5,817	325,781	13 08	NOV 27,1974	
5,833	325,804	13 09	NOV 27,1974	START 10 GPM
5,850	325,781	13 10	NOV 27,1974	DOWN DP
5,866	325,849	13 11	NOV 27,1974	
5,883	325,804	13 12	NOV 27,1974	
5,899	325,849	13 13	NOV 27,1974	
5,916	325,804	13 14	NOV 27,1974	

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5.932	325.872	13 15	NOV 27, 1974	
5.949	325.872	13 16	NOV 27, 1974	
5.965	325.872	13 17	NOV 27, 1974	
5.982	325.849	13 18	NOV 27, 1974	
5.998	325.895	13 19	NOV 27, 1974	
6.015	325.872	13 20	NOV 27, 1974	
6.031	325.895	13 21	NOV 27, 1974	
6.048	325.895	13 22	NOV 27, 1974	
6.064	325.918	13 23	NOV 27, 1974	
6.081	325.918	13 24	NOV 27, 1974	
6.097	325.941	13 25	NOV 27, 1974	
6.114	325.918	13 26	NOV 27, 1974	
6.130	325.895	13 27	NOV 27, 1974	
6.147	325.941	13 28	NOV 27, 1974	
6.163	325.941	13 29	NOV 27, 1974	
6.180	325.941	13 30	NOV 27, 1974	
6.196	325.918	13 31	NOV 27, 1974	
6.212	325.964	13 32	NOV 27, 1974	
6.229	325.964	13 33	NOV 27, 1974	
6.245	325.987	13 34	NOV 27, 1974	
6.262	325.987	13 35	NOV 27, 1974	START 20 GPM
6.278	325.987	13 36	NOV 27, 1974	DOWN DP
6.295	325.987	13 37	NOV 27, 1974	
6.311	325.987	13 38	NOV 27, 1974	
6.328	325.987	13 39	NOV 27, 1974	
6.344	326.032	13 40	NOV 27, 1974	
6.361	326.032	13 41	NOV 27, 1974	
6.377	326.055	13 42	NOV 27, 1974	
6.394	326.101	13 43	NOV 27, 1974	
6.410	326.078	13 44	NOV 27, 1974	
6.427	326.055	13 45	NOV 27, 1974	
6.443	326.101	13 46	NOV 27, 1974	
6.460	326.124	13 47	NOV 27, 1974	
6.476	326.124	13 48	NOV 27, 1974	
6.493	326.101	13 49	NOV 27, 1974	
6.509	326.124	13 50	NOV 27, 1974	
6.526	326.124	13 51	NOV 27, 1974	
6.542	326.170	13 52	NOV 27, 1974	
6.559	326.170	13 53	NOV 27, 1974	
6.575	326.170	13 54	NOV 27, 1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
6,591	326,170	13 54	NOV 27,1974	
6,608	326,170	13 55	NOV 27,1974	END 20 GPM
6,624	326,170	13 56	NOV 27,1974	DOWN DP
6,641	326,055	13 57	NOV 27,1974	
6,657	326,078	13 58	NOV 27,1974	
6,674	326,124	13 59	NOV 27,1974	
6,690	326,147	14 00	NOV 27,1974	
6,707	326,124	14 01	NOV 27,1974	
6,723	326,170	14 02	NOV 27,1974	
6,740	326,192	14 03	NOV 27,1974	
6,756	326,147	14 04	NOV 27,1974	
6,773	326,101	14 05	NOV 27,1974	
6,789	326,170	14 06	NOV 27,1974	
6,806	326,192	14 07	NOV 27,1974	
6,822	326,192	14 08	NOV 27,1974	
6,839	326,170	14 09	NOV 27,1974	
6,855	326,192	14 10	NOV 27,1974	
6,872	326,238	14 11	NOV 27,1974	
6,888	326,215	14 12	NOV 27,1974	
6,905	326,192	14 13	NOV 27,1974	
6,921	326,238	14 14	NOV 27,1974	
6,938	326,238	14 15	NOV 27,1974	
6,954	326,238	14 16	NOV 27,1974	
6,970	326,215	14 17	NOV 27,1974	
6,987	326,261	14 18	NOV 27,1974	
7,003	326,261	14 19	NOV 27,1974	
7,020	326,238	14 20	NOV 27,1974	
7,036	326,284	14 21	NOV 27,1974	
7,053	326,284	14 22	NOV 27,1974	
7,069	193,233	14 23	NOV 27,1974	CYCLE PACKER
7,086	331,476	14 24	NOV 27,1974	TO CLOSE FOR
7,102	337,537	14 25	NOV 27,1974	FINAL SHUT-IN
7,119	334,244	14 26	NOV 27,1974	
7,135	332,094	14 27	NOV 27,1974	
7,152	330,721	14 28	NOV 27,1974	
7,168	329,715	14 29	NOV 27,1974	
7,185	328,869	14 30	NOV 27,1974	
7,201	328,411	14 31	NOV 27,1974	
7,218	327,977	14 32	NOV 27,1974	
7,234	327,725	14 33	NOV 27,1974	

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7,251	327,519	14 34	NOV 27,1974	
7,267	327,336	14 35	NOV 27,1974	
7,284	327,222	14 36	NOV 27,1974	
7,300	327,153	14 37	NOV 27,1974	
7,317	327,107	14 38	NOV 27,1974	
7,333	326,993	14 39	NOV 27,1974	
7,349	326,924	14 40	NOV 27,1974	
7,366	326,879	14 41	NOV 27,1974	
7,382	326,879	14 42	NOV 27,1974	
7,399	326,833	14 43	NOV 27,1974	
7,415	326,856	14 44	NOV 27,1974	
7,432	326,787	14 45	NOV 27,1974	
7,448	326,810	14 46	NOV 27,1974	
7,465	326,764	14 47	NOV 27,1974	
7,481	326,741	14 48	NOV 27,1974	
7,498	326,741	14 49	NOV 27,1974	
7,514	326,741	14 50	NOV 27,1974	
7,531	326,718	14 51	NOV 27,1974	
7,547	326,696	14 52	NOV 27,1974	
7,564	326,718	14 53	NOV 27,1974	
7,580	326,718	14 54	NOV 27,1974	
7,597	326,718	14 55	NOV 27,1974	
7,613	326,696	14 56	NOV 27,1974	
7,630	326,787	14 57	NOV 27,1974	
7,646	326,810	14 58	NOV 27,1974	
7,663	326,810	14 59	NOV 27,1974	
7,679	326,764	15 00	NOV 27,1974	
7,696	326,764	15 01	NOV 27,1974	
7,712	326,787	15 02	NOV 27,1974	
7,729	326,764	15 03	NOV 27,1974	
7,745	326,764	15 04	NOV 27,1974	START 20 GPM
7,761	326,764	15 05	NOV 27,1974	DOWN ANNULUS
7,778	326,787	15 06	NOV 27,1974	
7,794	328,114	15 07	NOV 27,1974	
7,811	329,738	15 08	NOV 27,1974	
7,827	330,584	15 09	NOV 27,1974	
7,844	331,636	15 10	NOV 27,1974	
7,860	332,391	15 11	NOV 27,1974	
7,877	333,100	15 12	NOV 27,1974	
7,893	333,695	15 13	NOV 27,1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
7.910	334.175	15 14	NOV 27, 1974	
7.926	334.587	15 15	NOV 27, 1974	
7.943	334.976	15 16	NOV 27, 1974	
7.959	335.273	15 17	NOV 27, 1974	
7.976	335.342	15 18	NOV 27, 1974	
7.992	335.342	15 19	NOV 27, 1974	START 40 GPM
8.009	335.410	15 20	NOV 27, 1974	DOWN ANNULUS
8.025	335.639	15 21	NOV 27, 1974	
8.042	338.772	15 21	NOV 27, 1974	
8.058	341.380	15 22	NOV 27, 1974	
8.075	343.347	15 23	NOV 27, 1974	
8.091	344.971	15 24	NOV 27, 1974	
8.108	346.275	15 25	NOV 27, 1974	
8.124	347.373	15 26	NOV 27, 1974	
8.140	348.379	15 27	NOV 27, 1974	
8.157	349.294	15 28	NOV 27, 1974	
8.173	350.186	15 29	NOV 27, 1974	
8.190	351.055	15 30	NOV 27, 1974	
8.206	351.833	15 31	NOV 27, 1974	
8.223	352.519	15 32	NOV 27, 1974	
8.239	353.342	15 33	NOV 27, 1974	
8.256	353.937	15 34	NOV 27, 1974	START 55 GPM
8.272	354.692	15 35	NOV 27, 1974	DOWN ANNULUS
8.289	356.888	15 36	NOV 27, 1974	
8.305	358.672	15 37	NOV 27, 1974	
8.322	360.342	15 38	NOV 27, 1974	
8.338	361.851	15 39	NOV 27, 1974	
8.355	363.201	15 40	NOV 27, 1974	
8.371	364.390	15 41	NOV 27, 1974	
8.388	365.534	15 42	NOV 27, 1974	
8.404	366.654	15 43	NOV 27, 1974	
8.421	367.729	15 44	NOV 27, 1974	
8.437	368.713	15 45	NOV 27, 1974	
8.454	369.742	15 46	NOV 27, 1974	
8.470	370.749	15 47	NOV 27, 1974	
8.487	371.732	15 48	NOV 27, 1974	
8.503	372.624	15 49	NOV 27, 1974	END 55 GPM
8.519	373.333	15 50	NOV 27, 1974	DOWN ANNULUS
8.536	369.582	15 51	NOV 27, 1974	
8.552	364.939	15 52	NOV 27, 1974	

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8,569	360,181	15 53	NOV 27,1974	
8,585	355,630	15 54	NOV 27,1974	
8,602	351,787	15 55	NOV 27,1974	
8,618	348,402	15 56	NOV 27,1974	
8,635	345,520	15 57	NOV 27,1974	
8,651	343,141	15 58	NOV 27,1974	
8,668	341,106	15 59	NOV 27,1974	
8,684	339,367	16 00	NOV 27,1974	
8,701	337,812	16 01	NOV 27,1974	
8,717	336,554	16 02	NOV 27,1974	
8,734	335,479	16 03	NOV 27,1974	
8,750	334,541	16 04	NOV 27,1974	
8,767	333,969	16 05	NOV 27,1974	END TEST

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533 POINTS REPORTED THIS RUN

JOHNSTON

Schlumberger

technical
report

II B-720

EQUIPMENT & HOLE DATA

EQUIPMENT & HOLE DATA			
Type Test	M.F.E. OPEN HOLE		
Formation Tested	-		
Elevation	7036		Ft.
Net Productive Interval	29		Ft.
Estimated Porosity	-		%
All Depths Measured From	GROUND LEVEL		
Total Depth	1280		Ft.
Main Hole/Casing Size	6 3/4"		
Rat Hole/Liner Size	-		
Drill Collar Length	297'	I.D.	-
Drill Pipe Length	889'	I.D.	-
Packer Depth(s)	1246 & 1251		Ft.

Sampler Pressure _____ P.S.I.G. at Surface
 Recovery: Cu. Ft. Gas _____
 cc. Oil _____
 cc. Water _____
 cc. Mud _____
 ↳ Tot. Liquid cc. _____
 Gravity _____ ° API @ _____ ° F.
 Gas/Oil Ratio _____ cu. ft./bbl.

**CHLORIDE
CONTENT**

Recovery Water _____ @ _____ °F. _____ ppm

Recovery Mud _____ @ _____ °F.

Recovery Mud Filtrate _____ @ _____ °F. _____ ppm

Mud Pit Sample _____ @ _____ °F.

Mud Pit Sample Filtrate _____ @ _____ °F. _____ ppm

Mud Type	WATER FOAM	Wt.	-	
Viscosity	-	Water Loss	-	C.C.
Resist: of Mud	-	@	-	°F; of Filtrate - @ - °F
Chlaride Content	-			PPM

Remarks: _____

Address 1500 SECURITY LIFE BUILDING, 1600 GLENARM; DENVER, COLORADO 80202

Company ATLANTIC-RICHFIELD COMPANY Field SORGHUM GULCH

Well FEDERAL S.G. #17 Location 436'FWL 131'FSL SEC.16-3S-96W

Test Interval 1251' TO 1280' Test # 14 Date 11-28-74

County RIO BLANCO State COLORADO II B-721

Technician TAYLOR (VERNAL) Test Approved By MR. JERRY L. BUSSELL

Field Report No. 06024 C

No. Reports Requested 15 (14x)



PRESSURE DATA

Instrument No.	AK-1-5009			Field Report No. 06024 C
Capacity (P.S.I.G.)	1500			
Instrument Depth	1231'			
Instrument Opening	INSIDE			
Pressure Gradient P.S.I./Ft.				
Well Temperature °F.	95			
				TIME DATA
Initial Hydrostatic Mud	A			Time Given Time Computed
Initial Shut-in	B			Mins. Mins.
Initial Flow	C			Mins. Mins.
				Mins. Mins.
				Mins. Mins.
Final Flow	D			Mins. Mins.
Final Shut-in	E			Mins. Mins.
Final Hydrostatic Mud	F			

Remarks:

*Shut in pressure did not reach static reservoir pressure.

Clock Travel 0.00697 inches per min.

PRESSURE INCREMENTS

POINTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
1	328.2		3 0	8.1		74	159.3	
2	351.6		1	14.9		76	163.4	
3	8.1		4 2	15.3		78	168.0	
4	15.3		3	350.9		80	171.7	
5	351.2		4	350.9		82	175.5	
6	352.8		5	350.9		84	179.3	
7	20.2		6	350.9		86	183.1	
8	338.0		7	350.9		88	186.9	
9	429.9		8	350.9		90	190.3	
10	537.6		9	350.9		92	194.0	
11	406.8		10	350.9		94	197.8	
12	363.3		20	351.2		96	200.8	
13	334.6		30	351.2		98	204.6	
			5 34	351.2		100	208.0	
			6 39	352.8		102	210.7	
			7 40	20.2		104	214.1	
			42	35.7		106	217.5	
			44	47.0		108	220.5	
			46	57.6		110	223.5	
			48	66.7		112	226.5	
			50	75.4		114	229.9	
			52	84.8		116	232.6	
			54	95.4		118	235.6	
			56	106.4		120	238.6	
			58	115.4		122	241.3	
			60	123.0		124	243.9	
			62	130.2		126	246.9	
			64	136.6	II B-722	128	249.6	
			66	143.0		130	252.2	
			68	147.2		132	254.9	
			70	151.0		134	257.1	
			72	155.1				

CONTINUED

PRESSURE DATA

Instrument No.	AK-1-5009			Field Report No. 06024 C	
Capacity (P.S.I.G.)					
Instrument Depth					
Instrument Opening					
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.					
				TIME DATA	
Initial Hydrastatic Mud	A			Time Given	Time Computed
Initial Shut-in	B			Mins.	Mins.
Initial Flow	C			Mins.	Mins.
				Mins.	Mins.
				Mins.	Mins.
Final Flow	D			Mins.	Mins.
Final Shut-in	E			Mins.	Mins.
Final Hydrastatic Mud	F			Mins.	Mins.

Remarks:

*Shut in pressure did not reach static reservoir pressure.

Clock Travel

inches per min.

PRESSURE INCREMENTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
136	259.8		200	314.6		264	342.2	
138	262.1		202	315.3		266	349.0	
140	264.3		204	316.5		268	355.0	
142	266.6		206	317.6		270	361.5	
144	268.9		208	318.7		272	367.9	
146	270.8		210	319.9		274	373.9	
148	273.4		212	320.6		276	380.3	
150	275.3		214	321.4		278	385.6	
152	277.6		216	322.5		280	390.9	
154	279.4		218	323.3		282	396.2	
156	281.3		220	324.4		284	401.5	
158	283.2		222	325.2		286	406.4	
160	285.1		224	325.9		288	411.3	
162	287.0		226	327.1		290	415.9	
164	288.5		228	327.8		292	420.8	
166	290.4		230	328.6		294	425.3	
168	291.9		232	329.3		9 296	429.9	
170	293.4		234	329.7		298	438.5	
172	294.9		236	330.5		300	446.9	
174	296.8		238	331.2		302	454.0	
176	298.3		240	332.0		304	462.3	
178	299.9		242	332.4		306	469.9	
180	301.4		244	333.1		308	477.5	
182	303.3		246	333.5		310	484.6	
184	304.8		248	334.3		312	491.1	
186	305.5		250	335.0		314	498.3	
188	307.3		252	335.4		316	505.1	
190	308.5		254	335.8	II B-723	318	511.9	
192	309.7		256	336.5		320	517.9	
194	310.8		258	336.9		322	525.5	
196	312.3		260	337.2		324	531.9	
198	313.5		8 262	338.0		CONTINUED		



PRESSURE DATA

Instrument No.	AK-1-5009			Field Report No. 06024 C	
Capacity (P.S.I.G.)					
Instrument Depth					
Instrument Opening					
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.					
				TIME DATA	
Initial Hydrostatic Mud	A			Time Given	Time Computed
Initial Shut-in	B			Mins.	Mins.
Initial Flow	C			Mins.	Mins.
				Mins.	Mins.
				Mins.	Mins.
Final Flow	D			Mins.	Mins.
Final Shut-in	E			Mins.	Mins.
Final Hydrostatic Mud	F			Mins.	Mins.

Remarks:

*Shut in pressure did not reach static reservoir pressure.

Clock Travel _____ inches per min.

PRESSURE INCREMENTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
326	531.9		390	457.8		454	409.8	
328	534.2		392	455.5		456	408.7	
330	534.9		394	453.7		11 458	406.8	
332	535.7		396	451.4		460	369.4	
334	536.0		398	449.5		462	366.4	
336	536.8		400	447.6		464	366.4	
338	537.2		402	446.1		466	364.5	
340	537.6		404	443.8		468	364.1	
342	537.6		406	442.3		470	364.1	
10 344	537.6		408	440.8		472	363.7	
346	533.0		410	439.3		12 473	363.3	
348	527.0		412	437.4				
350	522.4		414	435.9				
352	517.9		416	434.4				
354	513.7		418	432.5				
356	509.6		420	431.0				
358	505.8		422	429.9				
360	501.7		424	428.3				
362	497.9		426	426.8				
364	494.1		428	425.3				
366	490.7		430	423.8				
368	487.3		432	422.7				
370	484.3		434	421.5				
372	481.3		436	420.4				
374	477.8		438	418.9				
376	475.6		440	417.8				
378	472.6		442	416.2				
380	469.9		444	415.1	II B-724			
382	467.3		446	414.4				
384	465.0		448	413.2				
386	462.7		450	412.1				
388	460.1		452	411.0				



JOHNSTON
...found a better way

PRESSURE DATA

Instrument No.	AK-1-5010			Field Report No. 06024 C
Capacity (P.S.I.G.)	1600			
Instrument Depth	1255'			
Instrument Opening	OUTSIDE			
Pressure Gradient P.S.I./Ft.				
Well Temperature °F.	95			
				TIME DATA
Initial Hydrastatic Mud	A			Time Given Time Computed
Initial Shut-in	B			Mins. Mins.
Initial Flow	C			Mins. Mins.
				Mins. Mins.
				Mins. Mins.
Final Flow	D			Mins. Mins.
Final Shut-in	E			Mins. Mins.
Final Hydrastatic Mud	F			Mins. Mins.

Remarks:

* Shut in pressure did not reach static reservoir pressure.

Clock Travel 0.003467

inches per min.

PRESSURE INCREMENTS

POINTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
1	338.8		3	0	22.2	74	168.7	
2	361.6			1	21.4	76	172.7	
3	22.2		4	2	24.6	78	177.1	
4	24.6			3	151.1	80	181.1	
5	361.2			4	360.4	82	185.1	
6	362.8			5	360.8	84	189.1	
7	30.2			6	360.8	86	193.5	
8	347.6			7	360.8	88	196.7	
9	439.2			8	360.8	90	199.9	
10	546.9			9	360.8	92	203.9	
11	415.6			10	360.8	94	207.1	
12	372.8			20	361.2	96	211.1	
13	344.0			30	361.2	98	214.3	
			5	34	361.2	100	217.9	
			6	39	362.8	102	221.5	
			7	40	30.2	104	224.7	
				42	47.8	106	227.9	
				44	58.6	108	231.5	
				46	69.0	110	234.7	
				48	78.2	112	237.9	
				50	86.6	114	241.1	
				52	96.6	116	244.3	
				54	106.3	118	246.7	
				56	117.5	120	249.5	
				58	126.7	122	251.9	
				60	133.5	124	254.3	
				62	138.3	126	257.1	
				64	145.9	128	259.9	
				66	152.3	130	262.3	
				68	155.9	132	264.7	
				70	160.3	134	267.5	
				72	164.7			

II B-725

CONTINUED

PRESSURE DATA

Instrument No.	AK-1-5010			Field Report No. 06024 C	
Capacity (P.S.I.G.)					
Instrument Depth					
Instrument Opening					
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.					
				TIME DATA	
Initial Hydrostatic Mud	A			Time Given	Time Computed
Initial Shut-in	B			Mins.	Mins.
Initial Flow	C			Mins.	Mins.
				Mins.	Mins.
				Mins.	Mins.
Final Flow	D			Mins.	Mins.
Final Shut-in	E			Mins.	Mins.
Final Hydrostatic Mud	F			Mins.	Mins.
Remarks:					

*Shut in pressure did not reach static reservoir pressure.

Clock Travel _____ inches per min.

PRESSURE INCREMENTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
136	269.9		200	324.4		264	353.2	
138	272.7		202	325.6		266	360.0	
140	274.7		204	326.8		268	366.4	
142	276.7		206	327.6		270	372.8	
144	279.1		208	328.8		272	378.4	
146	281.1		210	330.0		274	383.6	
148	283.1		212	330.8		276	389.2	
150	285.5		214	332.0		278	394.8	
152	287.1		216	332.8		280	400.4	
154	289.1		218	333.6		282	406.0	
156	290.7		220	334.4		284	410.8	
158	292.7		222	335.2		286	415.6	
160	294.3		224	336.0		288	421.2	
162	296.7		226	336.8		290	426.0	
164	298.3		228	337.6		292	430.8	
166	299.9		230	338.4		294	435.2	
168	301.6		232	339.2		9 296	439.2	
170	304.0		234	339.6		298	448.4	
172	305.2		236	340.8		300	457.6	
174	306.8		238	341.2		302	466.0	
176	308.4		240	342.0		304	473.2	
178	310.0		242	342.8		306	481.2	
180	311.6		244	343.2		308	488.4	
182	313.2		246	343.6		310	495.6	
184	314.4		248	344.4		312	503.3	
186	316.0		250	344.8		314	510.1	
188	317.2		252	345.2		316	516.9	
190	318.4		254	345.6	II B-726	318	523.7	
192	319.6		256	346.4		320	530.5	
194	320.8		258	346.8		322	537.7	
196	322.0		260	347.2		324	542.1	
198	323.2		8 262	347.6		CONTINUED		



PRESSURE DATA

Instrument No.	AK-1-5010			Field Report No. 06024 C	
Capacity (P.S.I.G.)					
Instrument Depth					
Instrument Opening					
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.					
				TIME DATA	
Initial Hydrostatic Mud	A			Time Given	Time Computed
Initial Shut-in	B			Mins.	Mins.
Initial Flow	C			Mins.	Mins.
				Mins.	Mins.
				Mins.	Mins.
Final Flow	D			Mins.	Mins.
Final Shut-in	E			Mins.	Mins.
Final Hydrostatic Mud	F			Mins.	Mins.
Remarks:					

*Shut in pressure did not reach static reservoir pressure.

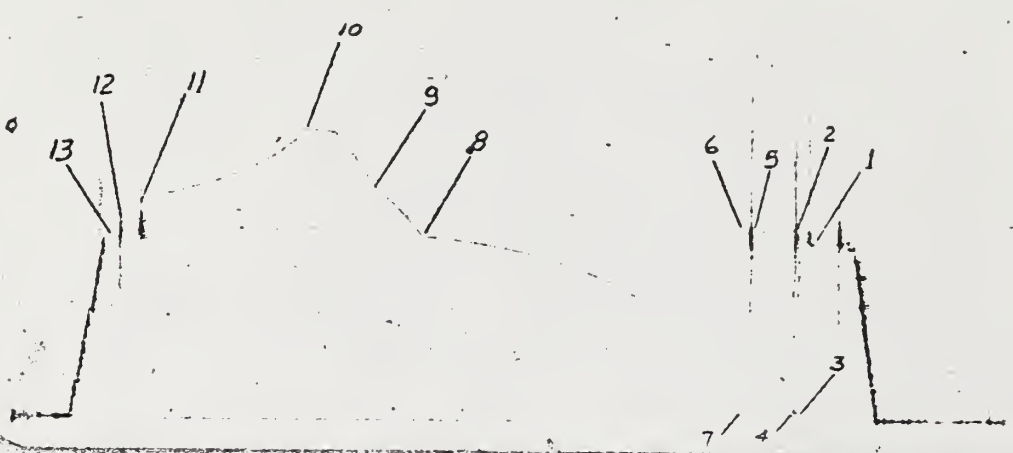
Clock Travel _____ inches per min.

PRESSURE INCREMENTS

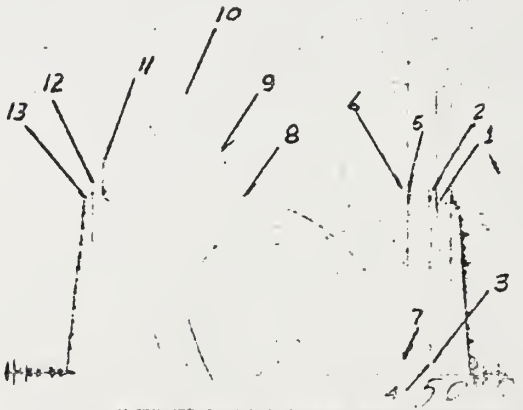
Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
326	542.5		390	466.8		454	418.4	
328	543.7		392	464.4		456	417.2	
330	544.9		394	462.8		11 458	415.6	
332	545.3		396	460.4		460	376.8	
334	545.7		398	458.4		462	376.0	
336	546.1		400	456.0		464	374.0	
338	546.5		402	454.8		466	373.6	
340	546.9		404	452.8		468	373.2	
342	546.9		406	451.2		470	373.2	
10 344	546.9		408	450.0		472	372.8	
346	540.1		410	448.0		12 473	372.8	
348	534.1		412	446.0				
350	530.1		414	444.8				
352	526.1		416	443.2				
354	522.1		418	441.6				
356	518.1		420	440.0				
358	514.1		422	438.4				
360	510.1		424	436.8				
362	506.9		426	436.0				
364	503.3		428	434.8				
366	499.6		430	433.2				
368	496.8		432	432.0				
370	494.0		434	430.8				
372	490.4		436	429.2				
374	487.6		438	428.0				
376	484.0		440	426.4				
378	481.6		442	425.6				
380	478.8		444	424.0	IIB-727			
382	476.0		446	422.8				
384	473.6		448	422.0				
386	471.2		450	420.8				
388	468.8		452	419.6				

6005

	FIELD REPORT NO.	RECORDER NO.
	06024 C	AK-1-5009
	CAPACITY	REPORTS REQUESTED
	1500#	15+



	FIELD REPORT NO.	RECORDER NO.
	06024 C	AK-1-5010
	CAPACITY	REPORTS REQUESTED
	1600#	15+



JOB NUMBER
SPG-11210-K

DATE OF JOB
NOVEMBER 28, 1974

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

PREPARED FOR

ATLANTIC RICHFIELD COMPANY

WELL NUMBER FEDERAL SG-17
FIELD/LEASE TRACT C-B SORGHUM GULCH
COUNTY/PARISH RIO BLANCO
STATE COLORADO
TYPE OF TEST DRILL STEM
REFERENCE ELEV GROUND LEVEL

ADDITIONAL INFORMATION

USED GAUGE 145 WITH 1000 LB. ELEMENT,
GAUGE DEPTH 1189.51 FT. OUTSIDE D.P.,
INSIDE ANNULUS,
TEST INTERVAL SURFACE TO 1251 FT.,
SET PACKER DEPTH IS 1251 FT.,
INITIAL HYDROSTATIC IS 332.14 PSI,
FINAL HYDROSTATIC IS 338.40 PSI,
GROUND LEVEL REFERENCE 7036 FT.

II B-729

31 POINTS REPORTED THIS JOB

PAGE 1 OF 2 PAGES

JOB NUMBER
SPG-11210-K

DATE OF JOB
NOVEMBER 28, 1974

GAUGE/RUN NUMBER
145 RUN NO. 11 DST NO. 14

DATE OF RUN
DECEMBER 12, 1974

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0,000	332,272	16 37	NOV 28,1974	INITIAL SHUTIN
,017	331,495	16 38	NOV 28,1974	
,033	331,701	16 39	NOV 28,1974	
,050	331,724	16 40	NOV 28,1974	
,067	331,792	16 41	NOV 28,1974	
,083	331,861	16 42	NOV 28,1974	
,100	331,838	16 43	NOV 28,1974	
,117	331,884	16 44	NOV 28,1974	
,133	331,929	16 45	NOV 28,1974	
,150	331,861	16 46	NOV 28,1974	
,167	331,884	16 47	NOV 28,1974	
,183	331,884	16 48	NOV 28,1974	
,200	331,929	16 49	NOV 28,1974	
,217	331,906	16 50	NOV 28,1974	
,233	331,929	16 51	NOV 28,1974	
,250	331,952	16 52	NOV 28,1974	
,267	331,998	16 53	NOV 28,1974	
,283	331,975	16 54	NOV 28,1974	
,300	331,998	16 55	NOV 28,1974	
,317	331,998	16 56	NOV 28,1974	
,333	332,021	16 57	NOV 28,1974	
,350	332,044	16 58	NOV 28,1974	
,367	332,044	16 59	NOV 28,1974	
,383	332,066	17 00	NOV 28,1974	
,400	332,089	17 01	NOV 28,1974	
,417	332,066	17 02	NOV 28,1974	
,433	332,089	17 03	NOV 28,1974	
,450	332,135	17 04	NOV 28,1974	
,467	332,135	17 05	NOV 28,1974	
,483	332,158	17 06	NOV 28,1974	
,500	332,135	17 07	NOV 28,1974	END SHUTIN

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31 POINTS REPORTED THIS RUN

JOB NUMBER
SPG=11210-K

DATE OF JOB
NOVEMBER 28, 1974

GAUGE/RUN NUMBER
145 RUN NO. 11 DST NO. 14

DATE OF RUN
DECEMBER 12, 1974

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0,000	332,478	17 15	NOV 28,1974	START FLOW
0,017	332,478	17 16	NOV 28,1974	
0,033	332,501	17 17	NOV 28,1974	
0,050	332,524	17 18	NOV 28,1974	
0,067	332,501	17 19	NOV 28,1974	
0,084	332,524	17 20	NOV 28,1974	
0,100	332,569	17 21	NOV 28,1974	
0,117	332,547	17 22	NOV 28,1974	
0,134	332,569	17 23	NOV 28,1974	
0,150	332,569	17 24	NOV 28,1974	
0,167	332,547	17 25	NOV 28,1974	
0,184	332,615	17 26	NOV 28,1974	
0,200	332,615	17 27	NOV 28,1974	
0,217	332,638	17 28	NOV 28,1974	
0,234	332,661	17 29	NOV 28,1974	
0,251	332,684	17 30	NOV 28,1974	
0,267	332,661	17 31	NOV 28,1974	
0,284	332,684	17 32	NOV 28,1974	
0,301	332,684	17 33	NOV 28,1974	
0,317	332,707	17 34	NOV 28,1974	
0,334	332,729	17 35	NOV 28,1974	
0,351	332,729	17 36	NOV 28,1974	
0,368	332,752	17 37	NOV 28,1974	
0,384	332,775	17 38	NOV 28,1974	
0,401	332,775	17 39	NOV 28,1974	
0,418	332,798	17 40	NOV 28,1974	
0,434	332,844	17 41	NOV 28,1974	
0,451	332,844	17 42	NOV 28,1974	
0,468	332,867	17 43	NOV 28,1974	
0,484	332,867	17 44	NOV 28,1974	
0,501	332,867	17 45	NOV 28,1974	
0,518	332,844	17 46	NOV 28,1974	
0,535	332,889	17 47	NOV 28,1974	
0,551	332,958	17 48	NOV 28,1974	
0,568	332,889	17 49	NOV 28,1974	
0,585	332,935	17 50	NOV 28,1974	
0,601	332,958	17 51	NOV 28,1974	
0,618	332,958	17 52	NOV 28,1974	
0,635	332,958	17 53	NOV 28,1974	
0,652	333,027	17 54	NOV 28,1974	

JOB NUMBER
SPG=11210-K

DATE OF JOB
NOVEMBER 28, 1974

GAUGE/RUN NUMBER
145 RUN NO. 11 DST NO. 14

DATE OF RUN
DECEMBER 12, 1974

SPERRY-SUN
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.668	333.027	17 55	NOV 28, 1974	
.685	332.981	17 56	NOV 28, 1974	
.702	333.027	17 57	NOV 28, 1974	
.718	333.049	17 58	NOV 28, 1974	
.735	333.049	17 59	NOV 28, 1974	
.752	333.049	18 00	NOV 28, 1974	
.768	333.072	18 01	NOV 28, 1974	
.785	333.049	18 02	NOV 28, 1974	
.802	333.072	18 03	NOV 28, 1974	
.819	333.118	18 04	NOV 28, 1974	
.835	333.049	18 05	NOV 28, 1974	
.852	333.049	18 06	NOV 28, 1974	
.869	333.027	18 07	NOV 28, 1974	
.885	333.027	18 08	NOV 28, 1974	
.902	333.187	18 09	NOV 28, 1974	
.919	333.187	18 10	NOV 28, 1974	
.936	333.210	18 11	NOV 28, 1974	
.952	333.187	18 12	NOV 28, 1974	
.969	333.187	18 13	NOV 28, 1974	
.986	333.255	18 14	NOV 28, 1974	
1.002	333.232	18 15	NOV 28, 1974	
1.019	333.278	18 16	NOV 28, 1974	
1.036	333.278	18 17	NOV 28, 1974	
1.053	333.301	18 18	NOV 28, 1974	
1.069	333.324	18 19	NOV 28, 1974	
1.086	333.347	18 20	NOV 28, 1974	
1.103	333.347	18 21	NOV 28, 1974	
1.119	333.301	18 22	NOV 28, 1974	
1.136	333.347	18 23	NOV 28, 1974	
1.153	333.370	18 24	NOV 28, 1974	
1.169	333.370	18 25	NOV 28, 1974	
1.186	333.415	18 26	NOV 28, 1974	
1.203	333.415	18 27	NOV 28, 1974	
1.220	333.415	18 28	NOV 28, 1974	
1.236	333.415	18 29	NOV 28, 1974	
1.253	333.392	18 30	NOV 28, 1974	
1.270	333.461	18 31	NOV 28, 1974	
1.286	333.461	18 32	NOV 28, 1974	
1.303	333.461	18 33	NOV 28, 1974	
1.320	333.484	18 34	NOV 28, 1974	

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1,337	333,484	18 35	NOV 28, 1974	
1,353	333,484	18 36	NOV 28, 1974	
1,370	333,484	18 37	NOV 28, 1974	
1,387	333,507	18 38	NOV 28, 1974	
1,403	333,530	18 39	NOV 28, 1974	
1,420	333,552	18 40	NOV 28, 1974	
1,437	333,552	18 41	NOV 28, 1974	
1,453	333,598	18 42	NOV 28, 1974	
1,470	333,598	18 43	NOV 28, 1974	
1,487	333,598	18 44	NOV 28, 1974	
1,504	333,598	18 45	NOV 28, 1974	
1,520	333,621	18 46	NOV 28, 1974	
1,537	333,644	18 47	NOV 28, 1974	
1,554	333,621	18 48	NOV 28, 1974	
1,570	333,667	18 49	NOV 28, 1974	
1,587	333,667	18 50	NOV 28, 1974	
1,604	333,667	18 51	NOV 28, 1974	
1,621	333,667	18 52	NOV 28, 1974	
1,637	333,690	18 53	NOV 28, 1974	
1,654	333,667	18 54	NOV 28, 1974	
1,671	333,712	18 55	NOV 28, 1974	
1,687	333,712	18 56	NOV 28, 1974	
1,704	333,712	18 57	NOV 28, 1974	
1,721	333,712	18 58	NOV 28, 1974	
1,737	333,712	18 59	NOV 28, 1974	
1,754	333,735	19 00	NOV 28, 1974	
1,771	333,804	19 01	NOV 28, 1974	
1,788	333,781	19 02	NOV 28, 1974	
1,804	333,804	19 03	NOV 28, 1974	
1,821	333,827	19 04	NOV 28, 1974	
1,838	333,827	19 05	NOV 28, 1974	
1,854	333,827	19 06	NOV 28, 1974	
1,871	333,872	19 07	NOV 28, 1974	
1,888	333,872	19 08	NOV 28, 1974	
1,905	333,872	19 09	NOV 28, 1974	
1,921	333,895	19 10	NOV 28, 1974	
1,938	333,895	19 11	NOV 28, 1974	
1,955	333,918	19 12	NOV 28, 1974	
1,971	333,918	19 13	NOV 28, 1974	
1,988	333,941	19 14	NOV 28, 1974	

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2,005	333,895	19 15	NOV 28,1974	
2,021	333,941	19 16	NOV 28,1974	
2,038	333,964	19 17	NOV 28,1974	
2,055	333,964	19 18	NOV 28,1974	
2,072	333,964	19 19	NOV 28,1974	
2,088	333,987	19 20	NOV 28,1974	
2,105	333,964	19 21	NOV 28,1974	
2,122	333,987	19 22	NOV 28,1974	
2,138	334,033	19 23	NOV 28,1974	
2,155	334,055	19 24	NOV 28,1974	
2,172	334,055	19 25	NOV 28,1974	
2,189	334,078	19 26	NOV 28,1974	
2,205	334,078	19 27	NOV 28,1974	
2,222	334,078	19 28	NOV 28,1974	
2,239	334,078	19 29	NOV 28,1974	
2,255	334,078	19 30	NOV 28,1974	
2,272	334,078	19 31	NOV 28,1974	
2,289	334,078	19 32	NOV 28,1974	
2,305	334,170	19 33	NOV 28,1974	
2,322	334,170	19 34	NOV 28,1974	
2,339	334,170	19 35	NOV 28,1974	
2,356	334,170	19 36	NOV 28,1974	
2,372	334,170	19 37	NOV 28,1974	
2,389	334,170	19 38	NOV 28,1974	
2,406	334,193	19 39	NOV 28,1974	
2,422	334,193	19 40	NOV 28,1974	
2,439	334,193	19 41	NOV 28,1974	
2,456	334,193	19 42	NOV 28,1974	
2,473	334,215	19 43	NOV 28,1974	
2,489	334,238	19 44	NOV 28,1974	
2,506	334,193	19 45	NOV 28,1974	
2,523	334,284	19 46	NOV 28,1974	
2,539	334,284	19 47	NOV 28,1974	
2,556	334,307	19 48	NOV 28,1974	
2,573	334,307	19 49	NOV 28,1974	
2,589	334,353	19 50	NOV 28,1974	
2,606	334,353	19 51	NOV 28,1974	
2,623	334,330	19 52	NOV 28,1974	
2,640	334,330	19 53	NOV 28,1974	
2,656	334,375	19 54	NOV 28,1974	

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2,673	334,375	19 55	NOV 28,1974	
2,690	334,398	19 56	NOV 28,1974	
2,706	334,398	19 57	NOV 28,1974	
2,723	334,421	19 58	NOV 28,1974	
2,740	334,398	19 59	NOV 28,1974	
2,757	334,444	20 00	NOV 28,1974	
2,773	334,467	20 01	NOV 28,1974	
2,790	334,467	20 02	NOV 28,1974	
2,807	334,467	20 03	NOV 28,1974	
2,823	334,444	20 04	NOV 28,1974	
2,840	334,490	20 05	NOV 28,1974	
2,857	334,513	20 06	NOV 28,1974	
2,874	334,490	20 07	NOV 28,1974	
2,890	334,490	20 08	NOV 28,1974	
2,907	334,490	20 09	NOV 28,1974	
2,924	334,535	20 10	NOV 28,1974	
2,940	334,513	20 11	NOV 28,1974	
2,957	334,535	20 12	NOV 28,1974	
2,974	334,558	20 13	NOV 28,1974	
2,990	334,581	20 14	NOV 28,1974	
3,007	334,535	20 15	NOV 28,1974	
3,024	334,581	20 16	NOV 28,1974	
3,041	334,581	20 17	NOV 28,1974	
3,057	334,604	20 18	NOV 28,1974	
3,074	334,604	20 19	NOV 28,1974	
3,091	334,627	20 20	NOV 28,1974	
3,107	334,627	20 21	NOV 28,1974	
3,124	334,627	20 22	NOV 28,1974	
3,141	334,673	20 23	NOV 28,1974	
3,158	334,673	20 24	NOV 28,1974	
3,174	334,673	20 25	NOV 28,1974	
3,191	334,673	20 26	NOV 28,1974	
3,208	334,673	20 27	NOV 28,1974	
3,224	334,673	20 28	NOV 28,1974	
3,241	334,650	20 29	NOV 28,1974	
3,258	334,650	20 30	NOV 28,1974	
3,274	334,718	20 31	NOV 28,1974	
3,291	334,718	20 32	NOV 28,1974	
3,308	334,718	20 33	NOV 28,1974	
3,325	334,718	20 34	NOV 28,1974	

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3,341	334,718	20 35	NOV 28, 1974	
3,358	334,764	20 36	NOV 28, 1974	
3,375	334,764	20 37	NOV 28, 1974	
3,391	334,764	20 38	NOV 28, 1974	
3,408	334,810	20 39	NOV 28, 1974	
3,425	334,787	20 40	NOV 28, 1974	
3,442	334,787	20 41	NOV 28, 1974	
3,458	334,833	20 42	NOV 28, 1974	
3,475	334,833	20 43	NOV 28, 1974	
3,492	334,833	20 44	NOV 28, 1974	
3,508	334,833	20 46	NOV 28, 1974	
3,525	334,833	20 47	NOV 28, 1974	
3,542	334,833	20 48	NOV 28, 1974	
3,558	334,833	20 49	NOV 28, 1974	
3,575	334,856	20 50	NOV 28, 1974	
3,592	334,856	20 51	NOV 28, 1974	
3,609	334,901	20 52	NOV 28, 1974	
3,625	334,901	20 53	NOV 28, 1974	
3,642	334,901	20 54	NOV 28, 1974	
3,659	334,924	20 55	NOV 28, 1974	
3,675	334,924	20 56	NOV 28, 1974	3 G/M DP
3,692	334,924	20 57	NOV 28, 1974	
3,709	334,924	20 58	NOV 28, 1974	
3,726	334,924	20 59	NOV 28, 1974	
3,742	334,924	21 00	NOV 28, 1974	
3,759	334,970	21 01	NOV 28, 1974	
3,776	334,970	21 02	NOV 28, 1974	
3,792	334,970	21 03	NOV 28, 1974	
3,809	334,993	21 04	NOV 28, 1974	
3,826	335,016	21 05	NOV 28, 1974	
3,842	334,993	21 06	NOV 28, 1974	
3,859	335,061	21 07	NOV 28, 1974	
3,876	335,061	21 08	NOV 28, 1974	
3,893	335,061	21 09	NOV 28, 1974	
3,909	335,061	21 10	NOV 28, 1974	
3,926	335,130	21 11	NOV 28, 1974	
3,943	335,130	21 12	NOV 28, 1974	
3,959	335,130	21 13	NOV 28, 1974	
3,976	335,084	21 14	NOV 28, 1974	
3,993	335,153	21 15	NOV 28, 1974	

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4,010	335,153	21 16	NOV 28,1974	
4,026	335,107	21 17	NOV 28,1974	
4,043	335,107	21 18	NOV 28,1974	
4,060	335,176	21 19	NOV 28,1974	
4,076	335,221	21 20	NOV 28,1974	
4,093	335,221	21 21	NOV 28,1974	
4,110	335,221	21 22	NOV 28,1974	
4,126	335,221	21 23	NOV 28,1974	
4,143	335,176	21 24	NOV 28,1974	
4,160	335,221	21 25	NOV 28,1974	
4,177	335,267	21 26	NOV 28,1974	
4,193	335,267	21 27	NOV 28,1974	
4,210	335,290	21 28	NOV 28,1974	
4,227	335,290	21 29	NOV 28,1974	
4,243	335,290	21 30	NOV 28,1974	
4,260	335,290	21 31	NOV 28,1974	5 G/M DP
4,277	335,290	21 32	NOV 28,1974	
4,294	335,290	21 33	NOV 28,1974	
4,310	335,290	21 34	NOV 28,1974	
4,327	335,290	21 35	NOV 28,1974	
4,344	335,313	21 36	NOV 28,1974	
4,360	335,336	21 37	NOV 28,1974	
4,377	335,290	21 38	NOV 28,1974	
4,394	335,404	21 39	NOV 28,1974	
4,411	335,404	21 40	NOV 28,1974	
4,427	335,358	21 41	NOV 28,1974	
4,444	335,358	21 42	NOV 28,1974	
4,461	335,427	21 43	NOV 28,1974	
4,477	335,427	21 44	NOV 28,1974	
4,494	335,427	21 45	NOV 28,1974	
4,511	335,427	21 46	NOV 28,1974	
4,527	335,404	21 47	NOV 28,1974	
4,544	335,427	21 48	NOV 28,1974	
4,561	335,450	21 49	NOV 28,1974	
4,578	335,450	21 50	NOV 28,1974	
4,594	335,518	21 51	NOV 28,1974	
4,611	335,518	21 52	NOV 28,1974	
4,628	335,518	21 53	NOV 28,1974	
4,644	335,496	21 54	NOV 28,1974	
4,661	335,518	21 55	NOV 28,1974	

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4.678	335.541	21 56	NOV 28, 1974	
4.695	335.564	21 57	NOV 28, 1974	
4.711	335.541	21 58	NOV 28, 1974	
4.728	335.541	21 59	NOV 28, 1974	
4.745	335.564	22 00	NOV 28, 1974	OVERFLOW
4.761	335.564	22 01	NOV 28, 1974	
4.778	335.610	22 02	NOV 28, 1974	
4.795	335.633	22 03	NOV 28, 1974	
4.811	335.633	22 04	NOV 28, 1974	
4.828	335.633	22 05	NOV 28, 1974	
4.845	335.633	22 06	NOV 28, 1974	
4.862	335.656	22 07	NOV 28, 1974	
4.878	335.633	22 08	NOV 28, 1974	
4.895	335.656	22 09	NOV 28, 1974	
4.912	335.701	22 10	NOV 28, 1974	
4.928	335.656	22 11	NOV 28, 1974	
4.945	335.656	22 12	NOV 28, 1974	
4.962	335.679	22 13	NOV 28, 1974	
4.979	335.701	22 14	NOV 28, 1974	
4.995	335.724	22 15	NOV 28, 1974	
5.012	335.724	22 16	NOV 28, 1974	
5.029	335.724	22 17	NOV 28, 1974	
5.045	335.747	22 18	NOV 28, 1974	
5.062	335.770	22 19	NOV 28, 1974	
5.079	335.770	22 20	NOV 28, 1974	DECLINE
5.095	335.724	22 21	NOV 28, 1974	
5.112	335.793	22 22	NOV 28, 1974	
5.129	335.793	22 23	NOV 28, 1974	
5.146	335.816	22 24	NOV 28, 1974	
5.162	335.839	22 25	NOV 28, 1974	
5.179	335.839	22 26	NOV 28, 1974	
5.196	335.816	22 27	NOV 28, 1974	
5.212	335.884	22 28	NOV 28, 1974	
5.229	335.839	22 29	NOV 28, 1974	
5.246	335.861	22 30	NOV 28, 1974	
5.263	335.861	22 31	NOV 28, 1974	
5.279	335.861	22 32	NOV 28, 1974	
5.296	335.861	22 33	NOV 28, 1974	
5.313	335.907	22 34	NOV 28, 1974	
5.329	335.861	22 35	NOV 28, 1974	

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5,346	335,861	22 36	NOV 28,1974	
5,363	335,907	22 37	NOV 28,1974	
5,379	335,907	22 38	NOV 28,1974	
5,396	335,930	22 39	NOV 28,1974	
5,413	335,930	22 40	NOV 28,1974	
5,430	335,930	22 41	NOV 28,1974	
5,446	335,953	22 42	NOV 28,1974	
5,463	335,953	22 43	NOV 28,1974	
5,480	335,930	22 44	NOV 28,1974	
5,496	335,953	22 45	NOV 28,1974	
5,513	335,953	22 46	NOV 28,1974	
5,530	335,976	22 47	NOV 28,1974	
5,547	335,999	22 48	NOV 28,1974	
5,563	335,999	22 49	NOV 28,1974	
5,580	335,976	22 50	NOV 28,1974	20 G/M ANNULUS
5,597	336,044	22 51	NOV 28,1974	
5,613	336,341	22 52	NOV 28,1974	
5,630	337,393	22 53	NOV 28,1974	
5,647	338,125	22 54	NOV 28,1974	
5,663	338,742	22 55	NOV 28,1974	
5,680	339,222	22 56	NOV 28,1974	
5,697	339,588	22 57	NOV 28,1974	
5,714	339,976	22 58	NOV 28,1974	
5,730	340,274	22 59	NOV 28,1974	
5,747	340,548	23 00	NOV 28,1974	
5,764	340,754	23 01	NOV 28,1974	
5,780	340,959	23 02	NOV 28,1974	
5,797	341,119	23 03	NOV 28,1974	
5,814	341,302	23 04	NOV 28,1974	
5,831	341,439	23 05	NOV 28,1974	40 G/M ANNULUS
5,847	342,491	23 06	NOV 28,1974	
5,864	344,343	23 07	NOV 28,1974	
5,881	345,943	23 08	NOV 28,1974	
5,897	347,246	23 09	NOV 28,1974	
5,914	348,389	23 10	NOV 28,1974	
5,931	349,487	23 11	NOV 28,1974	
5,947	350,492	23 12	NOV 28,1974	
5,964	351,384	23 13	NOV 28,1974	
5,981	352,276	23 14	NOV 28,1974	
5,998	352,984	23 15	NOV 28,1974	

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6,014	353,579	23 16	NOV 28,1974	
6,031	354,219	23 17	NOV 28,1974	
6,048	354,905	23 18	NOV 28,1974	
6,064	355,430	23 19	NOV 28,1974	
6,081	355,933	23 20	NOV 28,1974	60 G/M ANNULUS
6,098	357,076	23 21	NOV 28,1974	
6,115	358,631	23 22	NOV 28,1974	
6,131	359,934	23 23	NOV 28,1974	
6,148	361,214	23 24	NOV 28,1974	
6,165	362,334	23 25	NOV 28,1974	
6,181	363,363	23 26	NOV 28,1974	
6,198	364,323	23 27	NOV 28,1974	
6,215	365,238	23 28	NOV 28,1974	
6,232	365,992	23 29	NOV 28,1974	
6,248	366,884	23 30	NOV 28,1974	
6,265	367,661	23 31	NOV 28,1974	
6,282	368,416	23 32	NOV 28,1974	
6,298	369,147	23 33	NOV 28,1974	
6,315	369,879	23 34	NOV 28,1974	
6,332	370,679	23 35	NOV 28,1974	
6,348	371,227	23 36	NOV 28,1974	
6,365	371,890	23 37	NOV 28,1974	
6,382	372,530	23 38	NOV 28,1974	
6,399	373,148	23 39	NOV 28,1974	
6,415	373,605	23 40	NOV 28,1974	
6,432	374,131	23 41	NOV 28,1974	
6,449	374,679	23 42	NOV 28,1974	
6,465	375,182	23 43	NOV 28,1974	
6,482	375,640	23 44	NOV 28,1974	
6,499	376,097	23 45	NOV 28,1974	DECLINE
6,516	374,679	23 46	NOV 28,1974	
6,532	370,496	23 47	NOV 28,1974	
6,549	366,884	23 48	NOV 28,1974	
6,566	363,889	23 49	NOV 28,1974	
6,582	361,146	23 50	NOV 28,1974	
6,599	358,494	23 51	NOV 28,1974	
6,616	356,025	23 52	NOV 28,1974	
6,632	353,899	23 53	NOV 28,1974	
6,649	352,001	23 54	NOV 28,1974	
6,666	350,424	23 55	NOV 28,1974	

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6,683	349,006	23 56	NOV 28, 1974	
6,699	347,818	23 57	NOV 28, 1974	
6,716	346,720	23 58	NOV 28, 1974	
6,733	345,760	23 59	NOV 28, 1974	
6,749	344,937	00 00	NOV 29, 1974	
6,766	344,160	00 01	NOV 29, 1974	
6,783	343,543	00 02	NOV 29, 1974	
6,800	342,903	00 03	NOV 29, 1974	
6,816	342,400	00 04	NOV 29, 1974	
6,833	341,942	00 05	NOV 29, 1974	
6,850	341,600	00 06	NOV 29, 1974	
6,866	341,188	00 07	NOV 29, 1974	
6,883	340,914	00 08	NOV 29, 1974	
6,900	340,594	00 09	NOV 29, 1974	
6,916	340,388	00 10	NOV 29, 1974	
6,933	340,205	00 11	NOV 29, 1974	
6,950	339,999	00 12	NOV 29, 1974	
6,967	339,862	00 13	NOV 29, 1974	
6,983	339,748	00 14	NOV 29, 1974	
7,000	339,405	00 15	NOV 29, 1974	END FLOW

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420 POINTS REPORTED THIS RUN

JOB NUMBER
SPG-11210-K

DATE OF JOB
NOVEMBER 28, 1974

GAUGE/RUN NUMBER
145 RUN NO, 11 DST NO, 14

DATE OF RUN
DECEMBER 12, 1974

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0,000	338,468	00 15	NOV 29,1974	FINAL SHUTIN
,017	338,399	00 16	NOV 29,1974	
,033	338,445	00 17	NOV 29,1974	
,050	326,831	00 18	NOV 29,1974	
,067	326,397	00 19	NOV 29,1974	
,083	326,488	00 20	NOV 29,1974	
,100	326,626	00 21	NOV 29,1974	
,117	326,648	00 22	NOV 29,1974	
,133	326,671	00 23	NOV 29,1974	
,150	326,717	00 24	NOV 29,1974	
,167	326,740	00 25	NOV 29,1974	
,183	326,717	00 26	NOV 29,1974	
,200	326,740	00 27	NOV 29,1974	
,217	326,740	00 28	NOV 29,1974	
,233	320,796	00 29	NOV 29,1974	END OF TEST

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15 POINTS REPORTED THIS RUN

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JOB NUMBER
SPG-11210-K

DATE OF JOB
NOVEMBER 28, 1974

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

PREPARED FOR
ATLANTIC RICHFIELD COMPANY

WELL NUMBER FEDERAL SG-17
FIELD/LEASE TRACT C-8 SORGHUM GULCH
COUNTY/PARISH RIO BLANCO
STATE COLORADO
TYPE OF TEST DRILL STEM
REFERENCE ELEV GROUND LEVEL

ADDITIONAL INFORMATION

USED GAUGE 95 WITH 1000 LB. ELEMENT
GAUGE DEPTH 1270.51 FEET INSIDE DP
TEST INTERVAL 1251 TO 1270.51 FEET
SET PACKER DEPTH IS 1251 FEET
INITIAL HYDROSTATIC IS 369.36 PSI
FINAL HYDROSTATIC IS 407.15 PSI
GROUND LEVEL REFERENCE IS 7036 FEET

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NOVEMBER 28, 1974

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95 RUN NO. 11 DST NO. 14

DATE OF RUN
DECEMBER 26, 1974

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0,000	424,116	16 37	NOV 28,1974	INITIAL SHUTIN
,017	422,708	16 38	NOV 28,1974	
,033	423,412	16 39	NOV 28,1974	
,050	423,647	16 40	NOV 28,1974	
,067	423,740	16 41	NOV 28,1974	
,083	424,257	16 42	NOV 28,1974	
,100	423,647	16 43	NOV 28,1974	
,117	423,693	16 44	NOV 28,1974	
,133	423,834	16 45	NOV 28,1974	
,150	424,045	16 46	NOV 28,1974	
,167	424,116	16 47	NOV 28,1974	
,183	424,186	16 48	NOV 28,1974	
,200	424,233	16 49	NOV 28,1974	
,217	424,304	16 50	NOV 28,1974	
,233	424,374	16 51	NOV 28,1974	
,250	424,421	16 52	NOV 28,1974	
,267	424,444	16 53	NOV 28,1974	
,283	424,491	16 54	NOV 28,1974	
,300	424,515	16 55	NOV 28,1974	
,317	424,562	16 56	NOV 28,1974	
,333	424,585	16 57	NOV 28,1974	
,350	424,632	16 58	NOV 28,1974	
,367	424,656	16 59	NOV 28,1974	
,383	424,656	17 00	NOV 28,1974	
,400	424,703	17 01	NOV 28,1974	
,417	424,726	17 02	NOV 28,1974	
,433	424,773	17 03	NOV 28,1974	
,450	424,750	17 04	NOV 28,1974	
,467	424,750	17 05	NOV 28,1974	
,483	424,797	17 06	NOV 28,1974	
,500	424,843	17 07	NOV 28,1974	END SHUTIN

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31 POINTS REPORTED THIS RUN

JOB NUMBER
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DATE OF RUN
DECEMBER 26, 1974

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0.000	38.145	17 15	NOV 28, 1974	OPEN TO FLOW
.017	40.445	17 16	NOV 28, 1974	
.033	46.172	17 17	NOV 28, 1974	
.050	52.227	17 18	NOV 28, 1974	
.066	57.954	17 19	NOV 28, 1974	
.083	69.220	17 20	NOV 28, 1974	
.100	74.430	17 21	NOV 28, 1974	
.116	78.631	17 22	NOV 28, 1974	
.133	84.288	17 23	NOV 28, 1974	
.149	88.395	17 24	NOV 28, 1974	
.166	92.502	17 25	NOV 28, 1974	
.182	96.586	17 26	NOV 28, 1974	
.199	101.445	17 27	NOV 28, 1974	
.216	106.678	17 28	NOV 28, 1974	
.232	111.748	17 29	NOV 28, 1974	
.249	117.757	17 30	NOV 28, 1974	
.265	123.788	17 31	NOV 28, 1974	
.282	128.482	17 32	NOV 28, 1974	
.299	133.177	17 33	NOV 28, 1974	
.315	137.401	17 34	NOV 28, 1974	
.332	140.969	17 35	NOV 28, 1974	
.348	144.513	17 36	NOV 28, 1974	
.365	147.141	17 37	NOV 28, 1974	
.382	150.451	17 38	NOV 28, 1974	
.398	153.971	17 39	NOV 28, 1974	
.415	157.492	17 40	NOV 28, 1974	
.431	160.942	17 41	NOV 28, 1974	
.448	163.406	17 42	NOV 28, 1974	
.464	165.448	17 43	NOV 28, 1974	
.481	167.584	17 44	NOV 28, 1974	
.498	169.720	17 45	NOV 28, 1974	
.514	171.785	17 46	NOV 28, 1974	
.531	173.945	17 47	NOV 28, 1974	
.547	176.174	17 48	NOV 28, 1974	
.564	178.357	17 49	NOV 28, 1974	
.581	180.540	17 50	NOV 28, 1974	
.597	182.605	17 51	NOV 28, 1974	
.614	184.671	17 52	NOV 28, 1974	
.630	186.806	17 53	NOV 28, 1974	
.647	190.796	17 54	NOV 28, 1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
.664	192,698	17 55	NOV 28,1974	
.680	194,622	17 56	NOV 28,1974	
.697	196,500	17 57	NOV 28,1974	
.713	198,377	17 58	NOV 28,1974	
.730	200,325	17 59	NOV 28,1974	
.746	202,250	18 00	NOV 28,1974	
.763	204,104	18 01	NOV 28,1974	
.780	206,005	18 02	NOV 28,1974	
.796	207,813	18 03	NOV 28,1974	
.813	209,596	18 04	NOV 28,1974	
.829	211,403	18 05	NOV 28,1974	
.846	213,258	18 06	NOV 28,1974	
.863	215,018	18 07	NOV 28,1974	
.879	216,755	18 08	NOV 28,1974	
.896	218,539	18 09	NOV 28,1974	
.912	220,228	18 10	NOV 28,1974	
.929	221,942	18 11	NOV 28,1974	
.945	223,632	18 12	NOV 28,1974	
.962	225,368	18 13	NOV 28,1974	
.979	227,058	18 14	NOV 28,1974	
.995	228,772	18 15	NOV 28,1974	
1.012	230,391	18 16	NOV 28,1974	
1.028	232,034	18 17	NOV 28,1974	
1.045	233,653	18 18	NOV 28,1974	
1.062	235,249	18 19	NOV 28,1974	
1.078	236,892	18 20	NOV 28,1974	
1.095	238,465	18 21	NOV 28,1974	
1.111	240,037	18 22	NOV 28,1974	
1.128	241,633	18 23	NOV 28,1974	
1.145	243,206	18 24	NOV 28,1974	
1.161	244,755	18 25	NOV 28,1974	
1.178	246,304	18 26	NOV 28,1974	
1.194	247,783	18 27	NOV 28,1974	
1.211	249,285	18 28	NOV 28,1974	
1.227	250,787	18 29	NOV 28,1974	
1.244	252,289	18 30	NOV 28,1974	
1.261	253,861	18 31	NOV 28,1974	
1.277	255,293	18 32	NOV 28,1974	
1.294	256,678	18 33	NOV 28,1974	
1.310	258,133	18 34	NOV 28,1974	

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PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
1,327	261,654	18 35	NOV 28,1974	
1,344	260,879	18 36	NOV 28,1974	
1,360	262,334	18 37	NOV 28,1974	
1,377	263,625	18 38	NOV 28,1974	
1,393	265,010	18 39	NOV 28,1974	
1,410	266,301	18 40	NOV 28,1974	
1,427	267,662	18 41	NOV 28,1974	
1,443	268,953	18 42	NOV 28,1974	
1,460	270,244	18 43	NOV 28,1974	
1,476	271,582	18 44	NOV 28,1974	
1,493	272,919	18 45	NOV 28,1974	
1,509	274,140	18 46	NOV 28,1974	
1,526	275,384	18 47	NOV 28,1974	
1,543	276,628	18 48	NOV 28,1974	
1,559	277,872	18 49	NOV 28,1974	
1,576	279,139	18 50	NOV 28,1974	
1,592	280,407	18 51	NOV 28,1974	
1,609	281,604	18 52	NOV 28,1974	
1,626	282,847	18 53	NOV 28,1974	
1,642	284,021	18 54	NOV 28,1974	
1,659	285,148	18 55	NOV 28,1974	
1,675	286,274	18 56	NOV 28,1974	
1,692	287,448	18 57	NOV 28,1974	
1,709	288,574	18 58	NOV 28,1974	
1,725	289,654	18 59	NOV 28,1974	
1,742	290,827	19 00	NOV 28,1974	
1,758	291,954	19 00	NOV 28,1974	
1,775	293,057	19 01	NOV 28,1974	
1,791	294,184	19 02	NOV 28,1974	
1,808	295,193	19 03	NOV 28,1974	
1,825	296,155	19 04	NOV 28,1974	
1,841	297,141	19 05	NOV 28,1974	
1,858	298,150	19 06	NOV 28,1974	
1,874	299,112	19 07	NOV 28,1974	
1,891	300,051	19 08	NOV 28,1974	
1,908	300,990	19 09	NOV 28,1974	
1,924	301,882	19 10	NOV 28,1974	
1,941	302,868	19 11	NOV 28,1974	
1,957	303,736	19 12	NOV 28,1974	
1,974	304,675	19 13	NOV 28,1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
1.991	305.614	19 14	NOV 28, 1974	
2.007	306.600	19 15	NOV 28, 1974	
2.024	307.491	19 16	NOV 28, 1974	
2.040	308.383	19 17	NOV 28, 1974	
2.057	309.275	19 18	NOV 28, 1974	
2.073	309.956	19 19	NOV 28, 1974	
2.090	310.754	19 20	NOV 28, 1974	
2.107	311.669	19 21	NOV 28, 1974	
2.123	312.491	19 22	NOV 28, 1974	
2.140	313.312	19 23	NOV 28, 1974	
2.156	314.134	19 24	NOV 28, 1974	
2.173	314.932	19 25	NOV 28, 1974	
2.190	315.730	19 26	NOV 28, 1974	
2.206	316.574	19 27	NOV 28, 1974	
2.223	317.372	19 28	NOV 28, 1974	
2.239	318.147	19 29	NOV 28, 1974	
2.256	318.968	19 30	NOV 28, 1974	
2.273	319.719	19 31	NOV 28, 1974	
2.289	320.447	19 32	NOV 28, 1974	
2.306	321.175	19 33	NOV 28, 1974	
2.322	321.926	19 34	NOV 28, 1974	
2.339	322.606	19 35	NOV 28, 1974	
2.355	323.709	19 36	NOV 28, 1974	
2.372	324.437	19 37	NOV 28, 1974	
2.389	325.071	19 38	NOV 28, 1974	
2.405	325.751	19 39	NOV 28, 1974	
2.422	326.409	19 40	NOV 28, 1974	
2.438	327.066	19 41	NOV 28, 1974	
2.455	327.699	19 42	NOV 28, 1974	
2.472	328.310	19 43	NOV 28, 1974	
2.488	328.943	19 44	NOV 28, 1974	
2.505	329.530	19 45	NOV 28, 1974	
2.521	330.140	19 46	NOV 28, 1974	
2.538	330.751	19 47	NOV 28, 1974	
2.555	331.361	19 48	NOV 28, 1974	
2.571	331.995	19 49	NOV 28, 1974	
2.588	332.581	19 50	NOV 28, 1974	
2.604	333.145	19 51	NOV 28, 1974	
2.621	333.426	19 52	NOV 28, 1974	
2.637	333.989	19 53	NOV 28, 1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
2,654	334,553	19 54	NOV 28,1974	
2,671	335,046	19 55	NOV 28,1974	
2,687	335,562	19 56	NOV 28,1974	
2,704	335,961	19 57	NOV 28,1974	
2,720	336,524	19 58	NOV 28,1974	
2,737	337,041	19 59	NOV 28,1974	
2,754	337,557	20 00	NOV 28,1974	
2,770	338,073	20 01	NOV 28,1974	
2,787	338,566	20 02	NOV 28,1974	
2,803	339,059	20 03	NOV 28,1974	
2,820	339,552	20 04	NOV 28,1974	
2,836	340,021	20 05	NOV 28,1974	
2,853	340,397	20 06	NOV 28,1974	
2,870	340,890	20 07	NOV 28,1974	
2,886	341,336	20 08	NOV 28,1974	
2,903	341,805	20 09	NOV 28,1974	
2,919	342,251	20 10	NOV 28,1974	
2,936	342,533	20 11	NOV 28,1974	
2,953	343,026	20 12	NOV 28,1974	
2,969	343,331	20 13	NOV 28,1974	
2,986	343,800	20 14	NOV 28,1974	
3,002	343,917	20 15	NOV 28,1974	
3,019	344,340	20 16	NOV 28,1974	
3,036	344,786	20 17	NOV 28,1974	
3,052	345,232	20 18	NOV 28,1974	
3,069	345,654	20 19	NOV 28,1974	
3,085	346,077	20 20	NOV 28,1974	
3,102	346,499	20 21	NOV 28,1974	
3,118	346,875	20 22	NOV 28,1974	
3,135	347,321	20 23	NOV 28,1974	
3,152	347,696	20 24	NOV 28,1974	
3,168	348,095	20 25	NOV 28,1974	
3,185	348,447	20 26	NOV 28,1974	
3,201	348,823	20 27	NOV 28,1974	
3,218	349,175	20 28	NOV 28,1974	
3,235	349,550	20 29	NOV 28,1974	
3,251	349,902	20 30	NOV 28,1974	
3,268	350,278	20 31	NOV 28,1974	
3,284	350,630	20 32	NOV 28,1974	
3,301	350,959	20 33	NOV 28,1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
3,318	351,311	20 34	NOV 28,1974	
3,334	351,616	20 35	NOV 28,1974	
3,351	351,968	20 36	NOV 28,1974	
3,367	352,226	20 37	NOV 28,1974	
3,384	352,531	20 38	NOV 28,1974	
3,400	352,883	20 39	NOV 28,1974	
3,417	353,493	20 40	NOV 28,1974	
3,434	353,775	20 41	NOV 28,1974	
3,450	354,010	20 42	NOV 28,1974	
3,467	354,244	20 43	NOV 28,1974	
3,483	354,503	20 44	NOV 28,1974	
3,500	354,831	20 45	NOV 28,1974	
3,517	355,089	20 46	NOV 28,1974	
3,533	355,348	20 47	NOV 28,1974	
3,550	355,606	20 48	NOV 28,1974	
3,566	355,887	20 49	NOV 28,1974	
3,583	356,142	20 50	NOV 28,1974	
3,600	356,333	20 51	NOV 28,1974	
3,616	356,592	20 52	NOV 28,1974	
3,633	356,850	20 53	NOV 28,1974	
3,649	357,084	20 54	NOV 28,1974	
3,666	357,296	20 55	NOV 28,1974	
3,682	357,601	20 56	NOV 28,1974	3 G/M DP
3,699	357,835	20 57	NOV 28,1974	
3,716	358,047	20 58	NOV 28,1974	
3,732	361,215	20 59	NOV 28,1974	
3,749	364,994	21 00	NOV 28,1974	
3,765	368,561	21 01	NOV 28,1974	
3,782	371,096	21 02	NOV 28,1974	
3,799	374,499	21 03	NOV 28,1974	
3,815	377,668	21 04	NOV 28,1974	
3,832	380,930	21 05	NOV 28,1974	
3,848	384,028	21 06	NOV 28,1974	
3,865	387,103	21 07	NOV 28,1974	
3,882	390,131	21 08	NOV 28,1974	
3,898	393,182	21 09	NOV 28,1974	
3,915	396,069	21 10	NOV 28,1974	
3,931	399,026	21 11	NOV 28,1974	
3,948	401,866	21 12	NOV 28,1974	
3,964	404,471	21 13	NOV 28,1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
3,981	407,123	21 14	NOV 28,1974	
3,998	409,752	21 15	NOV 28,1974	
4,014	412,451	21 16	NOV 28,1974	
4,031	415,033	21 17	NOV 28,1974	
4,047	417,521	21 18	NOV 28,1974	
4,064	419,492	21 19	NOV 28,1974	
4,081	421,980	21 20	NOV 28,1974	
4,097	424,562	21 21	NOV 28,1974	
4,114	426,956	21 22	NOV 28,1974	
4,130	429,420	21 23	NOV 28,1974	
4,147	431,791	21 24	NOV 28,1974	
4,164	434,138	21 25	NOV 28,1974	
4,180	436,720	21 26	NOV 28,1974	
4,197	438,879	21 27	NOV 28,1974	
4,213	440,991	21 28	NOV 28,1974	
4,230	443,291	21 29	NOV 28,1974	
4,246	445,591	21 30	NOV 28,1974	
4,263	447,751	21 31	NOV 28,1974	5 G/M DP
4,280	450,168	21 32	NOV 28,1974	
4,296	454,534	21 33	NOV 28,1974	
4,313	458,641	21 34	NOV 28,1974	
4,329	462,842	21 35	NOV 28,1974	
4,346	466,809	21 36	NOV 28,1974	
4,363	470,728	21 37	NOV 28,1974	
4,379	473,897	21 38	NOV 28,1974	
4,396	477,981	21 39	NOV 28,1974	
4,412	481,478	21 40	NOV 28,1974	
4,429	485,350	21 41	NOV 28,1974	
4,445	489,199	21 42	NOV 28,1974	
4,462	492,720	21 43	NOV 28,1974	
4,479	496,546	21 44	NOV 28,1974	
4,495	500,348	21 45	NOV 28,1974	
4,512	503,587	21 46	NOV 28,1974	
4,528	507,107	21 47	NOV 28,1974	
4,545	510,910	21 48	NOV 28,1974	
4,562	514,383	21 49	NOV 28,1974	
4,578	517,716	21 50	NOV 28,1974	
4,595	520,978	21 51	NOV 28,1974	
4,611	524,264	21 52	NOV 28,1974	
4,628	527,409	21 53	NOV 28,1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
4.645	530.648	21 54	NOV 28, 1974	
4.661	533.699	21 55	NOV 28, 1974	
4.678	536.844	21 56	NOV 28, 1974	
4.694	540.318	21 57	NOV 28, 1974	
4.711	520.462	21 58	NOV 28, 1974	
4.727	547.359	21 59	NOV 28, 1974	
4.744	550.856	22 00	NOV 28, 1974	OVERFLOW
4.761	552.405	22 01	NOV 28, 1974	
4.777	550.598	22 02	NOV 28, 1974	
4.794	552.523	22 03	NOV 28, 1974	
4.810	553.532	22 04	NOV 28, 1974	
4.827	553.931	22 05	NOV 28, 1974	
4.844	554.283	22 06	NOV 28, 1974	
4.860	554.635	22 07	NOV 28, 1974	
4.877	555.034	22 08	NOV 28, 1974	
4.893	555.339	22 09	NOV 28, 1974	
4.910	555.574	22 10	NOV 28, 1974	
4.927	555.808	22 11	NOV 28, 1974	
4.943	556.043	22 12	NOV 28, 1974	
4.960	556.325	22 13	NOV 28, 1974	
4.976	556.583	22 14	NOV 28, 1974	
4.993	556.700	22 15	NOV 28, 1974	
5.009	556.818	22 16	NOV 28, 1974	
5.026	556.958	22 17	NOV 28, 1974	
5.043	556.982	22 18	NOV 28, 1974	
5.059	557.005	22 19	NOV 28, 1974	
5.076	557.052	22 20	NOV 28, 1974	DECLINE
5.092	556.958	22 21	NOV 28, 1974	
5.109	553.743	22 22	NOV 28, 1974	
5.126	550.316	22 23	NOV 28, 1974	
5.142	547.054	22 24	NOV 28, 1974	
5.159	544.073	22 25	NOV 28, 1974	
5.175	541.703	22 26	NOV 28, 1974	
5.192	539.496	22 27	NOV 28, 1974	
5.209	537.361	22 28	NOV 28, 1974	
5.225	535.201	22 29	NOV 28, 1974	
5.242	533.066	22 30	NOV 28, 1974	
5.258	530.953	22 30	NOV 28, 1974	
5.275	528.864	22 31	NOV 28, 1974	
5.291	526.822	22 32	NOV 28, 1974	

JOB NUMBER
SPG=11210-K

DATE OF JOB
NOVEMBER 28, 1974

GAUGE/RUN NUMBER
95 RUN NO, 11 DST NO, 14

DATE OF RUN
DECEMBER 26, 1974

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
5,308	524,827	22 33	NOV 28,1974	
5,325	522,856	22 34	NOV 28,1974	
5,341	520,955	22 35	NOV 28,1974	
5,358	519,077	22 36	NOV 28,1974	
5,374	517,247	22 37	NOV 28,1974	
5,391	515,416	22 38	NOV 28,1974	
5,408	513,609	22 39	NOV 28,1974	
5,424	511,825	22 40	NOV 28,1974	
5,441	510,065	22 41	NOV 28,1974	
5,457	508,281	22 42	NOV 28,1974	
5,474	506,638	22 43	NOV 28,1974	
5,491	504,925	22 44	NOV 28,1974	
5,507	503,305	22 45	NOV 28,1974	
5,524	501,756	22 46	NOV 28,1974	
5,540	500,184	22 47	NOV 28,1974	
5,557	498,705	22 48	NOV 28,1974	
5,573	497,203	22 49	NOV 28,1974	
5,590	495,795	22 50	NOV 28,1974	20 G/M ANNULUS
5,607	494,386	22 51	NOV 28,1974	
5,623	492,955	22 52	NOV 28,1974	
5,640	491,523	22 53	NOV 28,1974	
5,656	490,185	22 54	NOV 28,1974	
5,673	488,847	22 55	NOV 28,1974	
5,690	487,533	22 56	NOV 28,1974	
5,706	486,266	22 57	NOV 28,1974	
5,723	485,022	22 58	NOV 28,1974	
5,739	483,801	22 59	NOV 28,1974	
5,756	482,557	23 00	NOV 28,1974	
5,773	481,337	23 01	NOV 28,1974	
5,789	480,187	23 02	NOV 28,1974	
5,806	479,013	23 03	NOV 28,1974	
5,822	477,793	23 04	NOV 28,1974	
5,839	476,643	23 05	NOV 28,1974	40 G/M ANNULUS
5,855	475,540	23 06	NOV 28,1974	
5,872	474,483	23 07	NOV 28,1974	
5,889	473,380	23 08	NOV 28,1974	
5,905	472,348	23 09	NOV 28,1974	
5,922	471,315	23 10	NOV 28,1974	
5,938	470,353	23 11	NOV 28,1974	
5,955	469,414	23 12	NOV 28,1974	

JOB NUMBER
SPG-11210-K

DATE OF JOB
NOVEMBER 28, 1974

GAUGE/RUN NUMBER
95 RUN NO, 11 DST NO, 14

DATE OF RUN
DECEMBER 26, 1974

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
5,972	468,428	23 13	NOV 28,1974	
5,988	467,466	23 14	NOV 28,1974	
6,005	466,550	23 15	NOV 28,1974	
6,021	465,588	23 16	NOV 28,1974	
6,038	464,626	23 17	NOV 28,1974	
6,055	463,711	23 18	NOV 28,1974	
6,071	462,819	23 19	NOV 28,1974	
6,088	461,997	23 20	NOV 28,1974	60 G/M ANNULUS
6,104	461,082	23 21	NOV 28,1974	
6,121	460,354	23 22	NOV 28,1974	
6,137	459,556	23 23	NOV 28,1974	
6,154	458,617	23 24	NOV 28,1974	
6,171	457,843	23 25	NOV 28,1974	
6,187	457,045	23 26	NOV 28,1974	
6,204	456,223	23 27	NOV 28,1974	
6,220	455,496	23 28	NOV 28,1974	
6,237	454,604	23 29	NOV 28,1974	
6,254	453,712	23 30	NOV 28,1974	
6,270	453,008	23 31	NOV 28,1974	
6,287	452,257	23 32	NOV 28,1974	
6,303	451,459	23 33	NOV 28,1974	
6,320	450,731	23 34	NOV 28,1974	
6,336	449,863	23 35	NOV 28,1974	
6,353	449,088	23 36	NOV 28,1974	
6,370	448,455	23 37	NOV 28,1974	
6,386	447,798	23 38	NOV 28,1974	
6,403	446,906	23 39	NOV 28,1974	
6,419	446,202	23 40	NOV 28,1974	
6,436	445,521	23 41	NOV 28,1974	
6,453	444,817	23 42	NOV 28,1974	
6,469	444,113	23 43	NOV 28,1974	
6,486	443,479	23 44	NOV 28,1974	
6,502	442,798	23 45	NOV 28,1974	DECLINE
6,519	442,235	23 46	NOV 28,1974	
6,536	441,578	23 47	NOV 28,1974	
6,552	440,944	23 48	NOV 28,1974	
6,569	440,310	23 49	NOV 28,1974	
6,585	439,677	23 50	NOV 28,1974	
6,602	439,067	23 51	NOV 28,1974	
6,618	438,362	23 52	NOV 28,1974	

JOB NUMBER
SPG=11210-K

DATE OF JOB
NOVEMBER 28, 1974

GAUGE/RUN NUMBER
95 RUN NO. 11 DST NO. 14

DATE OF RUN
DECEMBER 26, 1974

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
6,635	437,729	23 53	NOV 28,1974	
6,652	437,072	23 54	NOV 28,1974	
6,668	436,438	23 55	NOV 28,1974	
6,685	435,851	23 56	NOV 28,1974	
6,701	435,217	23 57	NOV 28,1974	
6,718	434,631	23 58	NOV 28,1974	
6,735	434,771	23 59	NOV 28,1974	
6,751	433,857	00 00	NOV 29,1974	
6,768	432,870	00 01	NOV 29,1974	
6,784	432,331	00 02	NOV 29,1974	
6,801	431,767	00 03	NOV 29,1974	
6,818	431,181	00 04	NOV 29,1974	
6,834	430,664	00 05	NOV 29,1974	
6,851	430,101	00 06	NOV 29,1974	
6,867	429,585	00 07	NOV 29,1974	
6,884	429,045	00 08	NOV 29,1974	
6,900	428,505	00 09	NOV 29,1974	
6,917	427,989	00 10	NOV 29,1974	
6,934	427,425	00 11	NOV 29,1974	
6,950	426,698	00 12	NOV 29,1974	
6,967	426,322	00 13	NOV 29,1974	
6,983	426,134	00 14	NOV 29,1974	
7,000	367,716	00 15	NOV 29,1974	END FLOW

II B-755

423 POINTS REPORTED THIS RUN

GAUGE/RUN NUMBER

95 RUN NO. 11 DST NO. 14

DATE OF RUN

DECEMBER 26, 1974

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0,000	367,716	00 15	NOV 29,1974	FINAL SHUTIN
,017	462,091	00 16	NOV 29,1974	
,033	461,152	00 17	NOV 29,1974	
,050	442,658	00 18	NOV 29,1974	
,067	440,334	00 19	NOV 29,1974	
,083	440,029	00 20	NOV 29,1974	
,100	439,818	00 21	NOV 29,1974	
,117	439,513	00 22	NOV 29,1974	
,133	438,503	00 23	NOV 29,1974	
,150	437,776	00 24	NOV 29,1974	
,167	437,658	00 25	NOV 29,1974	
,183	437,447	00 26	NOV 29,1974	
,200	437,283	00 27	NOV 29,1974	
,217	437,142	00 28	NOV 29,1974	
,233	437,142	00 29	NOV 29,1974	
				END OF TEST

II B-756

15 POINTS REPORTED THIS RUN

PAGE 2

Job No. SPG-11210-K Date 11/29/74 Run DST-14 Office CASPER
Customer ARCO ET AL Location Sorghum Gulch
State COLO County/Parish Rio Blanco
Well SORghum Gulch No. 17 Field TRACT C-6

USE MILITARY TIME FOR ALL TIMES

	Time	Date	Time	Date	Time Charged
Arrive: Well/Dock	1. <u>1300</u>	<u>11/29/74</u>			
Depart: Well/Dock	1. <u>0300</u>	<u>11/29/74</u>			Hrs.
Gauge Start 'in Hole	1. <u>1432</u>	<u>11/29/74</u>			
Gauge Out of Hole	1. <u>0202</u>	<u>11/29/74</u>			Hrs.
No. Trips	<u>1</u>	Miles	<u>90</u>	Total Mileage	<u>90</u>

Top Gauge # 145 Element # 32763 Range 1000 Time Mode 1

Btm. Gauge # 95 Element # 23747 Range 1000 Time Mode 1

Type Tool Johnston 4 1/2 Test Depth 1189.51 - 1270.51 Zero Point G.L

Packer Depth 1251 Tail Pipe Depth 1270.51 Top Gauge Depth 1189.51

Bottom Hole Temp. 94 Atmos. Temp. 6 Bottom Gauge Depth 1270.51

TIME INFORMATION

Time	Date
------	------

PRESSURE INFORMATION

2 1/2

On Bottom	<u>1606</u>	<u>11/29/74</u>	Initial Hydrostatic Mud	
Packer Set	<u>1627</u>	<u>11/29/74</u>	Initial Draw Down	
Initial Open	<u>1636</u>	<u>11/29/74</u>	Initial Build-Up	
Initial Shut-In	<u>1637</u>	<u>11/29/74</u>	Final Flow	
Start Flow	<u>1715</u>	<u>11/29/74</u>	Final Build-Up	
Final Shut-In	<u>0015</u>	<u>11/29/74</u>	Final Hydrostatic Mud	
Packer Unseated	<u>0029</u>	<u>11/29/74</u>	Mud Weight	

TIME OF SURFACE NULLS

Top Gauge	<u>1451</u>	<u>1452</u>	<u>1453</u>	Bottom Gauge	<u>1452</u>	<u>1453</u>	<u>1454</u>
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Remarks _____

JOHNSTON

SHUT-IN PRESSURE

technical
report

II B-758

EQUIPMENT & HOLE DATA

Type Test	M.F.E. OPEN HOLE		
Formation Tested	GREEN-RIVER		
Elevation	7036		Ft.
Net Productive Interval	29		Ft.
Estimated Parasyty	-		%
All Depths Measured From	GROUND LEVEL		
Total Depth	1309		Ft.
Main Hole/Casing Size	6 3/4"		
Rat Hole/Liner Size	-		
Drill Collar Length	297'	I.D.	-
Drill Pipe Length	938'	I.D.	-
Packer Depth(s)	1275 & 1280		Ft.

Sampler Pressure _____ P.S.I.G. at Surface
 Recovery: Cu. Ft. Gas _____
 cc. Oil _____
 cc. Water _____
 cc. Mud _____
 Tot. Liquid cc. _____
 Gravity _____ ° API @ _____ ° F.
 Gas/Oil Ratio _____ cu. ft./bbl.

CHLORIDE CONTENT

Mud Pit Sample Filtrate _____ @ _____ °F. _____ ppm

Mud Type	WATER FOAM	Wt.	-	
Viscosity	-	Water Loss	-	C.C.
Resist. of Mud	- @ -	°F. of Filtrate	- @ -	°F
Chloride Content	-			PPM

[illegible]

Field Report No. 06025 C
 No. Reports Requested 15 (14x)

PRESSURE DATA

Instrument No.	AK-1-5009			Field Report No. 06025 C	
Capacity (P.S.I.G.)	1500				
Instrument Depth	1260'				
Instrument Opening	INSIDE				
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.	95				
				TIME DATA	
Initial Hydrastatic Mud	A			Time Given	Time Computed
Initial Shut-in	B			Mins.	Mins.
Initial Flow	C			Mins.	Mins.
				Mins.	Mins.
				Mins.	Mins.
Final Flow	D			Mins.	Mins.
Final Shut-in	E			Mins.	Mins.
Final Hydrastatic Mud	F				

Remarks.

* Shut in pressure did not reach static reservoir pressure.

Clock Travel 0.006887 inches per min.

PRESSURE INCREMENTS

POINTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
1	350.5		3 0	41.4		49	234.1	
2	464.5		4 1	60.3		50	243.2	
3	41.4		2	188.8		51	252.6	
4	60.3		3	358.8		52	260.2	
5	363.7		4	360.3		53	267.7	
6	365.6		5	361.5		54	274.9	
7	78.8		6	361.8		55	281.7	
8	366.7		7	362.2		56	287.8	
9	406.0		8	362.6		57	293.8	
10	280.6		9	362.6		58	299.9	
11	383.4		10	363.0		59	305.1	
12	304.0		11	363.0		60	310.8	
13	276.4		12	363.0		61	316.1	
14	367.1		13	363.3		62	319.5	
			14	363.3		63	324.0	
			15	363.3		64	327.8	
			20	363.7		65	331.2	
			25	363.7		66	334.6	
			5 30	363.7		67	337.6	
			35	365.6		68	340.3	
			6 37	365.6		69	342.9	
			7 38	78.8		70	345.6	
			39	109.8		71	347.1	
			40	132.1		72	349.0	
			41	145.2		73	350.9	
			42	160.0		74	352.4	
			43	171.4		75	353.5	
			44	183.8	II B-760	76	354.6	
			45	193.7		77	355.4	
			46	203.9		78	356.5	
			47	214.4		79	357.3	
			48	223.9		CONTINUED		

PRESSURE DATA

Instrument No.	AK-1-5009			Field Report No. 06025 C
Capacity (P.S.I.G.)	.			
Instrument Depth				
Instrument Opening				
Pressure Gradient P.S.I./Ft.				
Well Temperature °F.				
				TIME DATA
Initial Hydrostatic Mud	A			Time Given Time Computed
Initial Shut-in	B			Mins. Mins.
Initial Flow	C			Mins. Mins.
				Mins. Mins.
				Mins. Mins.
Final Flow	D			Mins. Mins.
Final Shut-in	E			Mins. Mins.
Final Hydrostatic Mud	F			Mins. Mins.

Remarks:

* Shut in pressure did not reach static reservoir pressure.

Clock Travel _____ inches per min.

PRESSURE INCREMENTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
80	358.0		220	366.0		318	303.6	
81	358.4		230	367.5		320	303.6	
82	358.8		240	367.5		322	303.6	
83	359.2		250	367.1		324	303.6	
84	359.6		260	367.1		326	303.6	
85	359.9		8 265	366.7		328	303.6	
86	360.3		9 267	406.0		330	304.0	
87	360.7		10 269	280.6		332	304.0	
88	361.5		270	285.5		334	304.0	
89	361.5		272	307.8		336	304.0	
90	361.5		274	319.1		12 338	304.0	
91	361.5		276	329.3		13 339	276.4	
92	361.8		278	336.5		340	279.8	
93	361.8		11 280	383.4		341	292.7	
94	361.8		282	316.1		342	299.1	
95	362.2		284	307.0		343	304.4	
96	362.2		286	305.1		344	313.1	
97	362.6		288	305.1		345	318.0	
98	362.6		290	304.8		346	322.5	
99	362.6		292	304.4		347	327.8	
100	363.0		294	304.4		348	332.4	
110	363.3		296	304.4		349	336.1	
120	363.7		298	304.0		350	340.3	
130	363.7		300	304.0		351	342.9	
140	364.1		302	304.0		352	345.2	
150	364.5		304	303.6		353	347.5	
160	364.5		306	303.6		354	349.4	
170	364.5		308	303.6	II B-761	355	352.0	
180	365.2		310	303.6		356	353.1	
190	365.2		312	303.6		357	354.6	
200	365.6		314	303.6		358	356.2	
210	365.6		316	303.6		CONTINUED		

PRESSURE DATA

Instrument No.	AK-1-5009			Field Report No. 06025 C	
Capacity (P.S.I.G.)					
Instrument Depth					
Instrument Opening					
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.					
				TIME DATA	
Initial Hydrostatic Mud	A			Time Given	Time Computed
Initial Shut-in	B			Mins.	Mins.
Initial Flow	C			Mins.	Mins.
				Mins.	Mins.
				Mins.	Mins.
Final Flow	D			Mins.	Mins.
Final Shut-in	E			Mins.	Mins.
Final Hydrostatic Mud	F			Mins.	Mins.
Remarks:					

*Shut in pressure did not reach static reservoir pressure.

Clock Travel _____ inches per min.

PRESSURE INCREMENTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
359	356.9		455	366.7				
360	358.0		460	366.7				
361	358.8		480	367.1				
362	359.6		500	367.1				
363	359.9		520	367.1				
364	360.3		540	367.1				
365	360.7		CLOCK STOPPED AT THIS POINT.					
366	361.1							
367	361.5							
368	361.8							
369	362.2							
370	362.6							
371	363.0							
372	363.3							
373	363.3							
374	363.7							
375	363.7							
380	364.5							
385	364.9							
390	365.2							
395	365.2							
400	365.2							
405	365.6							
410	365.6							
415	365.6							
420	366.0							
425	366.4							
430	366.4							
435	366.7							
440	366.7							
445	366.7							
450	366.7							

II B-762

PRESSURE DATA

Instrument No.	AK-1-5010			Field Report No. 06025 C
Capacity (P.S.I.G.)	1600			
Instrument Depth	1284'			
Instrument Opening	OUTSIDE			
Pressure Gradient P.S.I./Ft.				
Well Temperature °F.	95			
				TIME DATA
Initial Hydrostatic Mud	A			Time Given Time Computed
Initial Shut-in	B			Mins. Mins.
Initial Flow	C			Mins. Mins.
				Mins. Mins.
				Mins. Mins.
Final Flow	D			Mins. Mins.
Final Shut-in	E			Mins. Mins.
Final Hydrostatic Mud	F			Mins. Mins.

Remarks:

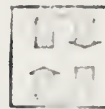
*Shut in pressure did not reach static reservoir pressure.

Clock Travel 0.003454 inches per min.

PRESSURE INCREMENTS

POINTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
1	360.8		3 0	52.2		49	244.3	
2	374.4		4 1	64.6		50	251.9	
3	52.2		2	124.7		51	259.9	
4	64.6		3	368.8		52	270.3	
5	374.0		4	370.4		53	276.7	
6	375.6		5	371.6		54	282.3	
7	91.0		6	371.6		55	286.7	
8	376.0		7	372.0		56	297.9	
9	415.2		8	372.4		57	302.8	
10	292.3		9	372.8		58	309.6	
11	392.8		10	372.8		59	314.0	
12	314.0		11	373.2		60	319.2	
13	287.1		12	373.2		61	325.6	
14	376.8		13	373.6		62	330.4	
15	398.4		14	373.6		63	334.0	
16	420.8		15	374.0		64	337.6	
17	520.1		20	374.0		65	341.2	
18	550.1		25	374.0		66	345.2	
19	380.4		5 30	374.0		67	348.0	
20	379.6		35	375.6		68	350.4	
21	360.4		6 37	375.6		69	353.2	
			7 38	91.0		70	355.6	
			39	111.1		71	358.0	
			40	136.7		72	359.2	
			41	157.5		73	361.2	
			42	173.1		74	362.4	
			43	182.3		75	364.4	
			44	191.5	II B-763	76	365.2	
			45	203.1		77	366.0	
			46	213.9		78	367.2	
			47	225.1		79	367.6	
			48	224.7				



PRESSURE DATA

Instrument No.	AK-1-5010			Field Report No. 06025 C	
Capacity (P.S.I.G.)					
Instrument Depth					
Instrument Opening					
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.					
				TIME DATA	
Initial Hydrostatic Mud	A			Time Given	Time Computed
Initial Shut-in	B			Mins.	Mins.
Initial Flow	C			Mins.	Mins.
				Mins.	Mins.
Final Flow	D			Mins.	Mins.
Final Shut-in	E			Mins.	Mins.
Final Hydrostatic Mud	F			Mins.	Mins.
Remarks:					

*Shut in pressure did not reach static reservoir pressure.

Clock Travel

inches per min.

PRESSURE INCREMENTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
80	368.4		220	375.6		318	314.0	
81	368.8		230	377.2		320	314.0	
82	369.2		240	377.2		322	314.0	
83	369.6		250	376.8		324	313.6	
84	370.0		260	376.8		326	314.0	
85	370.4		8 265	376.0		328	314.0	
86	370.8		9 267	415.2		330	314.4	
87	370.8		10 269	292.3		332	314.4	
88	371.2		270	296.7		334	314.4	
89	371.2		272	319.6		336	314.0	
90	371.6		274	331.6		12 338	314.0	
91	371.6		276	341.6		13 339	287.1	
92	372.0		278	350.8		340	287.5	
93	372.0		11 280	392.8		341	289.5	
94	372.0		282	320.4		342	300.8	
95	372.4		284	316.8		343	307.6	
96	372.4		286	315.6		344	314.0	
97	372.4		288	315.2		345	321.2	
98	372.4		290	315.2		346	328.0	
99	372.8		292	314.8		347	333.2	
100	372.8		294	314.8		348	338.4	
110	373.2		296	314.8		349	342.4	
120	373.6		298	314.4		350	345.2	
130	374.0		300	314.4		351	349.6	
140	374.0		302	314.4		352	351.6	
150	374.4		304	314.0		353	354.8	
160	374.8		306	314.0		354	356.8	
170	374.8		308	314.0	II B-764	355	359.2	
180	375.2		310	314.0		356	360.8	
190	375.2		312	314.0		357	362.4	
200	375.2		314	314.0		358	363.6	
210	375.2		316	314.0		CONTINUED		



PRESSURE DATA

Instrument No.	AK-1-5010			Field Report No. 06025 C	
Capacity (P.S.I.G.)					
Instrument Depth					
Instrument Opening					
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.					
				TIME DATA	
Initial Hydrostatic Mud	A			Time Given	Time Computed
Initial Shut-in	B			Mins.	Mins.
Initial Flow	C			Mins.	Mins.
				Mins.	Mins.
Final Flow	D			Mins.	Mins.
Final Shut-in	E			Mins.	Mins.
Final Hydrostatic Mud	F			Mins.	Mins.

Remarks:

*Shut in pressure did not reach static reservoir pressure.

Clock Travel _____ inches per min.

PRESSURE INCREMENTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
359	365.2		455	375.6		774	416.4	
360	366.4		460	375.6		776	417.6	
361	367.2		480	375.6		778	418.8	
362	367.6		500	376.0		780	419.6	
363	368.0		520	376.0		16 782	420.8	
364	368.8		540	376.0		784	434.0	
365	369.2		560	376.0		786	446.4	
366	369.6		580	376.4		788	456.8	
367	370.0		600	376.4		790	466.0	
368	370.8		620	376.8		792	474.0	
369	371.2		640	376.8		794	482.4	
370	371.6		660	376.4		796	489.6	
371	372.0		680	376.4		798	497.2	
372	372.0		700	376.4		800	506.1	
373	372.4		620	376.8		802	513.3	
374	372.4		740	376.8		17 804	520.1	
375	372.8		14 742	376.8		806	538.9	
380	373.6		744	382.4		808	540.9	
385	374.0		746	386.0		810	542.9	
390	374.4		748	388.8		812	544.5	
395	374.4		750	391.6		814	545.7	
400	374.8		752	393.6		816	546.5	
405	374.8		754	394.8		818	547.7	
410	374.8		756	395.6		820	548.5	
415	375.2		758	396.8		822	549.3	
420	375.2		760	397.6		824	549.7	
425	375.2		15 762	398.4		18 825	550.1	
430	375.2		764	402.8	II B-765	826	539.3	
435	375.2		766	406.8		828	526.1	
440	375.6		768	410.0		830	510.1	
445	375.6		770	412.8		832	497.6	
450	375.6		772	414.4		CONTINUED		



PRESSURE DATA

Instrument No.	AK-1-5010			Field Report No. 06025 C
Capacity (P.S.I.G.)				
Instrument Depth				
Instrument Opening				
Pressure Gradient P.S.I./Ft.				
Well Temperature °F.				
				TIME DATA
Initial Hydrastatic Mud	A			Time Given Time Computed
Initial Shut-in	B			Mins. Mins.
Initial Flow	C			Mins. Mins.
				Mins. Mins.
				Mins. Mins.
Final Flow	D			Mins. Mins.
Final Shut-in	E			Mins. Mins.
Final Hydrastatic Mud	F			Mins. Mins.

Remarks:

* Shut in pressure did not reach static reservoir pressure.

Clock Travel

inches per min.

PRESSURE INCREMENTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
834	484.4		898	380.8				
836	472.0		900	380.8				
838	461.2		902	380.8				
840	451.2		904	380.8				
842	442.4		906	380.8				
844	434.0		908	380.8				
846	427.2		910	380.8				
848	420.8		912	380.8				
850	415.2		914	380.8				
852	409.6		916	380.8				
854	404.4		918	380.8				
856	400.4		920	380.8				
858	396.8		922	380.8				
860	394.0		924	380.4				
862	390.8		926	380.4				
864	389.2		928	380.4				
866	387.2		930	380.4				
868	385.6		19 932	380.4				
870	384.0		934	380.8				
872	383.6		936	380.0				
874	383.2		938	379.6				
876	382.4		940	379.6				
878	382.0		942	379.6				
880	381.6		944	379.6				
882	381.2		946	379.6				
884	380.8		948	379.6				
886	380.8		20 949	379.6				
888	380.8							
890	380.8							
892	380.8							
894	380.8							
896	380.8							

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3005



FIELD REPORT NO.

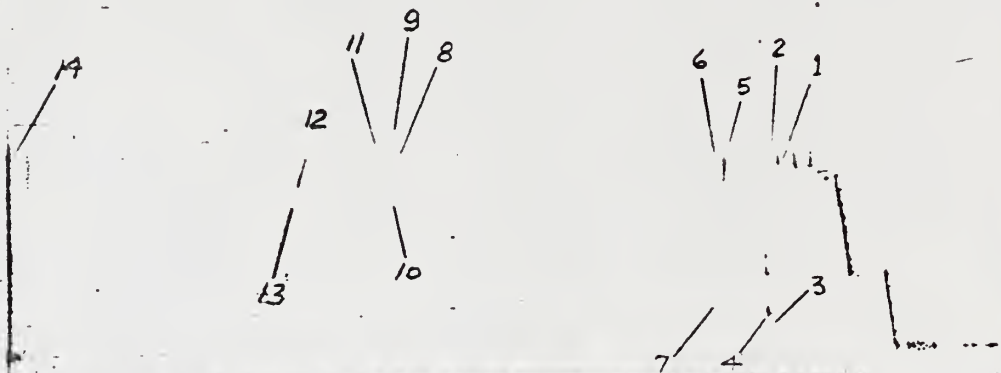
06025 C
CAPACITY

1500#

RECORDER NO.

AK-1-5009
REPORTS REQUESTED

15+



FIELD REPORT NO.

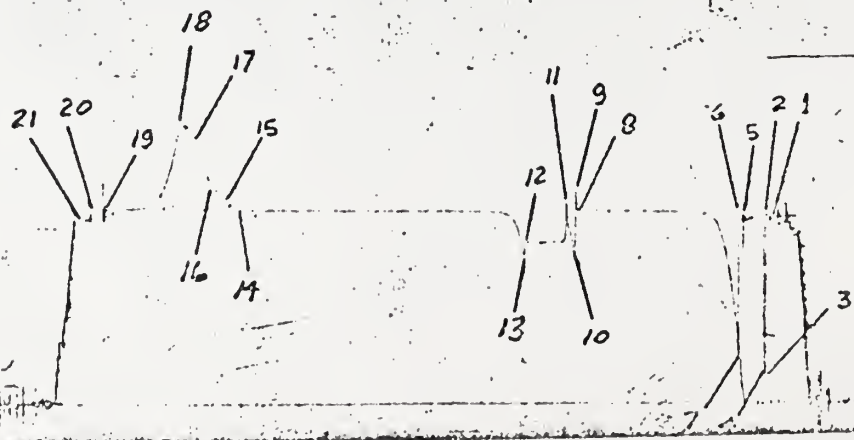
06025 C
CAPACITY

1600#

RECORDER NO.

AK-1-5010
REPORTS REQUESTED

15+



SPERRY-SUN



JRM

POST OFFICE BOX 36363 HOUSTON, TEXAS 77036 (713) 494-3021

J. A. Fouché
President

January 7, 1975

JAN 9 1975

A. J. ROGERS

Mr. Frederick R. Scheerer
Atlantic-Richfield Company
1500 Security Life Building
Denver, Colorado 80202

Dear Sir:

Enclosed is the original of our Precision Pressure Gauge Drill Stem Test Job SPG-11210-L performed on your Federal SG-17 Well, Tract C-b, Piceance Creek Basin, Sorghum Gulch, Rio Blanco County, Colorado on November 29, 1974.

Also enclosed are the charts for gauge numbers 145 and 95 with Field Data Sheet.

Distribution is being made according to the attached mailing list.

Thank you for this opportunity to be of service.

Very truly yours,

Carl Kisinger, Jr.
Manager, Pressure Services

CK:jg
Enclosures

Job No. SPG 11210 Date Nov 29/74 Run L DST-45 Office CASPER
 Customer ARCO Et AL Location Sorghum Gulch
 State Colo County/Parish Rio Blanco
 Well Sorghum Gulch No. 17 Field _____

USE MILITARY TIME FOR ALL TIMES

	Time	Date	Time	Date	Time Charged
Arrive: Well/Dock	1. <u>09:00</u>	<u>11/29/74</u>	2. _____	_____	_____
Depart: Well/Dock	1. _____	_____	2. _____	_____	Hrs. _____
Gauge Start in Hole	1. <u>#95</u>	<u>2216-50</u>	2. <u>#145</u>	<u>2241-15</u>	_____
Gauge Out of Hole	1. _____	_____	2. _____	_____	Hrs. _____
No. Trips	<u>1</u>	Miles _____	Total Mileage	<u>90</u>	_____

Top Gauge #	<u>145</u>	Element # _____	Range _____	Time Mode	<u>Low</u>
Btm. Gauge #	<u>95</u>	Element # _____	Range _____	Time Mode	<u>Low</u>
Type Tool	<u>Johnson</u>	Test Depth	<u>1280 - 1309</u>	Zero Point	<u>Ground Level</u>
Packer Depth	<u>1280</u>	Tail Pipe Depth	_____	Top Gauge Depth	<u>1210.12</u>
Bottom Hole Temp.	<u>90</u>	Atmos. Temp.	<u>60</u>	Bottom Gauge Depth	<u>1292.37</u>

TIME INFORMATION

PRESSURE INFORMATION

	Time	Date
On Bottom	<u>0018</u>	<u>11/29/74</u>
Packer Set	<u>0041</u>	<u>11/30/74</u>
Initial Open	<u>0047</u>	<u>11/30/74</u>
Initial Shut-In	<u>0049</u>	<u>11/30/74</u>
Start Flow	<u>0126</u>	<u>11/30/74</u>
Final Shut-In	<u>1615</u>	<u>11/30/74</u>
Packer Unseated	<u>1633</u>	<u>11/30/74</u>

Initial Hydrostatic Mud	<u>720</u>	<u>1.13 +</u>
Initial Draw Down	<u>80</u>	_____
Initial Build-Up	<u>720</u>	<u>1.1319</u>
Final Flow	<u>90</u>	<u>1.100</u>
Final Build-Up	<u>720</u>	_____
Final Hydrostatic Mud	<u>720</u>	_____
Mud Weight	<u>11.2</u>	_____

TIME OF SURFACE NULLS

2.3325

Top Gauge _____ Bottom Gauge _____

Remarks Standby

JOB NUMBER
SPG-11210-L

DATE OF JOB
NOVEMBER 29, 1974

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

PREPARED FOR

ATLANTIC RICHFIELD COMPANY

WELL NUMBER FEDERAL SG-17
FIELD/LEASE TRACT C-B SORGHUM GULCH
COUNTY/PARISH RIO BLANCO
STATE COLORADO
TYPE OF TEST DRILL STEM
REFERENCE ELEV GROUND LEVEL

ADDITIONAL INFORMATION

USED GAUGE 145 WITH 1000 LB ELEMENT,
GAUGE DEPTH 1210, 12 FT, OUTSIDE D.P.,
ABOVE PACKER
TEST INTERVAL IS SURFACE TO 1280 FT,
SET PACKER DEPTH IS 1280 FT,
INITIAL HYDROSTATIC IS 342.22 PSI,
FINAL SHUT-IN IS 353.32 PSI,
GROUND LEVEL REFERENCE IS 7036 FT.

II B-770

30 POINTS REPORTED THIS JOB

PAGE 1 OF 2 PAGES

JOB NUMBER
SPG-11210-L

DATE OF JOB
NOVEMBER 29, 1974

GAUGE/RUN NUMBER
145 RUN NO. 12 DST NO. 15

DATE OF RUN
DECEMBER 12, 1974

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0,000	342,156	00 49	NOV 29,1974	INITIAL SHUTIN
,017	342,224	00 50	NOV 29,1974	
,034	342,247	00 51	NOV 29,1974	
,052	342,156	00 52	NOV 29,1974	
,069	342,201	00 53	NOV 29,1974	
,086	342,247	00 54	NOV 29,1974	
,103	342,247	00 55	NOV 29,1974	
,121	342,247	00 56	NOV 29,1974	
,138	342,247	00 57	NOV 29,1974	
,155	342,247	00 58	NOV 29,1974	
,172	342,270	00 59	NOV 29,1974	
,190	342,339	01 00	NOV 29,1974	
,207	342,339	01 01	NOV 29,1974	
,224	342,339	01 02	NOV 29,1974	
,241	342,361	01 03	NOV 29,1974	
,259	342,384	01 05	NOV 29,1974	
,276	342,361	01 06	NOV 29,1974	
,293	342,384	01 07	NOV 29,1974	
,310	342,407	01 08	NOV 29,1974	
,328	342,430	01 09	NOV 29,1974	
,345	342,453	01 10	NOV 29,1974	
,362	342,453	01 11	NOV 29,1974	
,379	342,498	01 12	NOV 29,1974	
,397	342,476	01 13	NOV 29,1974	
,414	342,476	01 14	NOV 29,1974	
,431	342,476	01 15	NOV 29,1974	
,448	342,498	01 16	NOV 29,1974	
,466	342,498	01 17	NOV 29,1974	
,483	342,521	01 18	NOV 29,1974	
,500	342,635	01 19	NOV 29,1974	END SHUTIN

II B-771

30 POINTS REPORTED THIS RUN

JOB NUMBER
SPG-11210-L

DATE OF JOB
NOVEMBER 29, 1974

GAUGE/RUN NUMBER
145 RUN NO, 12 DST NO, 15

DATE OF RUN
DECEMBER 18, 1974

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0.000	341,996	01 26	NOV 29, 1974	START FLOW
.017	341,904	01 27	NOV 29, 1974	
.033	341,996	01 28	NOV 29, 1974	
.050	341,927	01 29	NOV 29, 1974	
.066	342,087	01 30	NOV 29, 1974	
.083	342,247	01 31	NOV 29, 1974	
.099	342,270	01 32	NOV 29, 1974	
.116	342,453	01 33	NOV 29, 1974	
.133	342,476	01 34	NOV 29, 1974	
.149	342,498	01 35	NOV 29, 1974	
.166	342,498	01 36	NOV 29, 1974	
.182	342,498	01 37	NOV 29, 1974	
.199	342,498	01 38	NOV 29, 1974	
.215	342,521	01 39	NOV 29, 1974	
.232	342,521	01 40	NOV 29, 1974	
.249	342,498	01 41	NOV 29, 1974	
.265	342,521	01 42	NOV 29, 1974	
.282	342,521	01 43	NOV 29, 1974	
.298	342,476	01 44	NOV 29, 1974	
.315	342,544	01 45	NOV 29, 1974	
.331	342,521	01 46	NOV 29, 1974	
.348	342,544	01 47	NOV 29, 1974	
.365	342,590	01 48	NOV 29, 1974	
.381	342,613	01 49	NOV 29, 1974	
.398	342,590	01 50	NOV 29, 1974	
.414	342,635	01 51	NOV 29, 1974	
.431	342,635	01 52	NOV 29, 1974	
.447	342,635	01 53	NOV 29, 1974	
.464	342,658	01 54	NOV 29, 1974	
.481	342,704	01 55	NOV 29, 1974	
.497	342,727	01 56	NOV 29, 1974	
.514	342,750	01 57	NOV 29, 1974	
.530	342,773	01 58	NOV 29, 1974	
.547	342,795	01 59	NOV 29, 1974	
.563	342,773	02 00	NOV 29, 1974	
.580	342,795	02 01	NOV 29, 1974	
.597	342,841	02 02	NOV 29, 1974	
.613	342,841	02 03	NOV 29, 1974	
.630	342,841	02 04	NOV 29, 1974	
.646	342,841	02 05	NOV 29, 1974	

JOB NUMBER
SPG-11210-L

DATE OF JOB
NOVEMBER 29, 1974

GAUGE/RUN NUMBER
145 RUN NO, 12 DST NO, 15

DATE OF RUN
DECEMBER 18, 1974

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
.663	342,910	02 06	NOV 29,1974	
.680	342,932	02 07	NOV 29,1974	
.696	342,932	02 08	NOV 29,1974	
.713	342,955	02 09	NOV 29,1974	
.729	342,978	02 10	NOV 29,1974	
.746	343,001	02 11	NOV 29,1974	
.762	343,001	02 12	NOV 29,1974	
.779	343,001	02 13	NOV 29,1974	
.796	343,047	02 14	NOV 29,1974	
.812	343,069	02 15	NOV 29,1974	
.829	343,069	02 16	NOV 29,1974	
.845	343,069	02 17	NOV 29,1974	
.862	343,115	02 18	NOV 29,1974	
.878	343,092	02 19	NOV 29,1974	
.895	343,092	02 20	NOV 29,1974	
.912	343,069	02 21	NOV 29,1974	
.928	343,161	02 22	NOV 29,1974	
.945	343,184	02 23	NOV 29,1974	
.961	343,184	02 24	NOV 29,1974	
.978	343,229	02 25	NOV 29,1974	
.994	343,229	02 26	NOV 29,1974	
1,011	343,252	02 27	NOV 29,1974	
1,028	343,275	02 28	NOV 29,1974	
1,044	343,275	02 29	NOV 29,1974	
1,061	343,275	02 30	NOV 29,1974	
1,077	343,298	02 31	NOV 29,1974	
1,094	343,252	02 32	NOV 29,1974	
1,110	343,321	02 33	NOV 29,1974	
1,127	343,344	02 34	NOV 29,1974	
1,144	343,344	02 35	NOV 29,1974	
1,160	343,389	02 36	NOV 29,1974	
1,177	343,366	02 37	NOV 29,1974	
1,193	343,389	02 38	NOV 29,1974	
1,210	343,389	02 39	NOV 29,1974	
1,226	343,412	02 40	NOV 29,1974	
1,243	343,412	02 41	NOV 29,1974	
1,260	343,435	02 42	NOV 29,1974	
1,276	343,481	02 43	NOV 29,1974	
1,293	343,504	02 44	NOV 29,1974	
1,309	343,504	02 45	NOV 29,1974	

JOB NUMBER
SPG-11210-L

DATE OF JOB
NOVEMBER 29, 1974

GAUGE/RUN NUMBER
145 RUN NO, 12 DST NO, 15

DATE OF RUN
DECEMBER 13, 1974

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
1,326	343,458	02 46	NOV 29,1974	
1,342	343,504	02 47	NOV 29,1974	
1,359	343,481	02 48	NOV 29,1974	
1,376	343,572	02 49	NOV 29,1974	
1,392	343,572	02 50	NOV 29,1974	
1,409	343,549	02 51	NOV 29,1974	
1,425	343,572	02 52	NOV 29,1974	
1,442	343,595	02 53	NOV 29,1974	
1,458	343,641	02 54	NOV 29,1974	
1,475	343,663	02 55	NOV 29,1974	
1,492	343,618	02 55	NOV 29,1974	
1,508	343,663	02 56	NOV 29,1974	
1,525	343,686	02 57	NOV 29,1974	
1,541	343,732	02 58	NOV 29,1974	
1,558	343,709	02 59	NOV 29,1974	
1,574	343,732	03 00	NOV 29,1974	
1,591	343,800	03 01	NOV 29,1974	
1,608	343,778	03 02	NOV 29,1974	
1,624	343,778	03 03	NOV 29,1974	
1,641	343,800	03 04	NOV 29,1974	
1,657	343,869	03 05	NOV 29,1974	
1,674	343,823	03 06	NOV 29,1974	
1,690	343,846	03 07	NOV 29,1974	
1,707	343,869	03 08	NOV 29,1974	
1,724	343,869	03 09	NOV 29,1974	
1,740	343,892	03 10	NOV 29,1974	
1,757	343,892	03 11	NOV 29,1974	
1,773	343,892	03 12	NOV 29,1974	
1,790	343,915	03 13	NOV 29,1974	
1,807	343,915	03 14	NOV 29,1974	
1,823	343,938	03 15	NOV 29,1974	
1,840	343,960	03 16	NOV 29,1974	
1,856	343,915	03 17	NOV 29,1974	
1,873	343,983	03 18	NOV 29,1974	
1,889	344,006	03 19	NOV 29,1974	
1,906	344,006	03 20	NOV 29,1974	
1,923	343,983	03 21	NOV 29,1974	
1,939	344,075	03 22	NOV 29,1974	
1,956	344,052	03 23	NOV 29,1974	
1,972	344,075	03 24	NOV 29,1974	

JOB NUMBER
SPG-11210-L

DATE OF JOB
NOVEMBER 29, 1974

GAUGE/RUN NUMBER
145 RUN NO, 12 DST NO, 15

DATE OF RUN
DECEMBER 18, 1974

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
1,989	344,075	03 25	NOV 29,1974	
2,005	344,075	03 26	NOV 29,1974	
2,022	344,075	03 27	NOV 29,1974	
2,039	344,143	03 28	NOV 29,1974	
2,055	344,097	03 29	NOV 29,1974	
2,072	344,143	03 30	NOV 29,1974	
2,088	344,120	03 31	NOV 29,1974	
2,105	344,166	03 32	NOV 29,1974	
2,121	344,212	03 33	NOV 29,1974	
2,138	344,235	03 34	NOV 29,1974	
2,155	344,280	03 35	NOV 29,1974	
2,171	344,257	03 36	NOV 29,1974	
2,188	344,257	03 37	NOV 29,1974	
2,204	344,257	03 38	NOV 29,1974	
2,221	344,303	03 39	NOV 29,1974	
2,237	344,303	03 40	NOV 29,1974	
2,254	344,326	03 41	NOV 29,1974	
2,271	344,303	03 42	NOV 29,1974	
2,287	344,349	03 43	NOV 29,1974	
2,304	344,372	03 44	NOV 29,1974	
2,320	344,372	03 45	NOV 29,1974	
2,337	344,326	03 46	NOV 29,1974	
2,353	344,372	03 47	NOV 29,1974	
2,370	344,646	03 48	NOV 29,1974	
2,387	344,669	03 49	NOV 29,1974	
2,403	344,554	03 50	NOV 29,1974	
2,420	344,691	03 51	NOV 29,1974	
2,436	344,737	03 52	NOV 29,1974	
2,453	344,714	03 53	NOV 29,1974	
2,469	344,714	03 54	NOV 29,1974	
2,486	344,714	03 55	NOV 29,1974	
2,503	344,714	03 56	NOV 29,1974	
2,519	344,783	03 57	NOV 29,1974	
2,536	344,737	03 58	NOV 29,1974	
2,552	344,737	03 59	NOV 29,1974	
2,569	344,783	04 00	NOV 29,1974	
2,585	344,828	04 01	NOV 29,1974	
2,602	344,828	04 02	NOV 29,1974	
2,619	344,851	04 03	NOV 29,1974	
2,635	344,851	04 04	NOV 29,1974	

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2,652	344,351	04 05	NOV 29, 1974	
2,668	344,328	04 06	NOV 29, 1974	
2,685	344,351	04 07	NOV 29, 1974	
2,701	344,323	04 08	NOV 29, 1974	
2,718	344,397	04 09	NOV 29, 1974	
2,735	344,374	04 10	NOV 29, 1974	
2,751	344,397	04 11	NOV 29, 1974	
2,768	344,397	04 12	NOV 29, 1974	
2,784	344,397	04 13	NOV 29, 1974	
2,801	344,943	04 14	NOV 29, 1974	
2,817	344,920	04 15	NOV 29, 1974	
2,834	344,943	04 16	NOV 29, 1974	
2,851	344,988	04 17	NOV 29, 1974	
2,867	344,920	04 18	NOV 29, 1974	
2,884	344,988	04 19	NOV 29, 1974	
2,900	344,920	04 20	NOV 29, 1974	
2,917	345,034	04 21	NOV 29, 1974	
2,933	345,011	04 22	NOV 29, 1974	
2,950	345,034	04 23	NOV 29, 1974	
2,967	345,057	04 24	NOV 29, 1974	
2,983	345,080	04 25	NOV 29, 1974	
3,000	345,125	04 26	NOV 29, 1974	
3,016	345,125	04 27	NOV 29, 1974	
3,033	345,103	04 28	NOV 29, 1974	
3,050	345,125	04 29	NOV 29, 1974	
3,066	345,125	04 30	NOV 29, 1974	
3,083	345,148	04 31	NOV 29, 1974	
3,099	345,171	04 32	NOV 29, 1974	
3,116	345,125	04 33	NOV 29, 1974	
3,132	345,217	04 34	NOV 29, 1974	
3,149	345,194	04 35	NOV 29, 1974	
3,166	345,217	04 36	NOV 29, 1974	
3,182	345,217	04 37	NOV 29, 1974	
3,199	345,217	04 38	NOV 29, 1974	
3,215	345,194	04 39	NOV 29, 1974	
3,232	345,217	04 40	NOV 29, 1974	
3,248	345,217	04 41	NOV 29, 1974	
3,265	345,171	04 42	NOV 29, 1974	
3,282	345,262	04 43	NOV 29, 1974	
3,298	345,240	04 44	NOV 29, 1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
3,315	345,262	04 45	NOV 29,1974	
3,331	345,285	04 46	NOV 29,1974	
3,348	345,262	04 47	NOV 29,1974	
3,364	345,354	04 48	NOV 29,1974	
3,381	345,331	04 49	NOV 29,1974	
3,398	345,354	04 50	NOV 29,1974	
3,414	345,354	04 51	NOV 29,1974	
3,431	345,331	04 52	NOV 29,1974	
3,447	345,377	04 53	NOV 29,1974	
3,464	345,422	04 54	NOV 29,1974	
3,480	345,422	04 55	NOV 29,1974	
3,497	345,331	04 56	NOV 29,1974	
3,514	345,377	04 57	NOV 29,1974	
3,530	345,445	04 58	NOV 29,1974	
3,547	345,422	04 59	NOV 29,1974	
3,563	345,422	05 00	NOV 29,1974	
3,580	345,491	05 01	NOV 29,1974	
3,596	345,468	05 02	NOV 29,1974	
3,613	345,468	05 03	NOV 29,1974	
3,630	345,468	05 04	NOV 29,1974	
3,646	345,537	05 05	NOV 29,1974	
3,663	345,491	05 06	NOV 29,1974	
3,679	345,514	05 07	NOV 29,1974	
3,696	345,537	05 08	NOV 29,1974	
3,712	345,559	05 09	NOV 29,1974	
3,729	345,491	05 10	NOV 29,1974	
3,746	345,605	05 11	NOV 29,1974	
3,762	345,605	05 12	NOV 29,1974	
3,779	345,605	05 13	NOV 29,1974	
3,795	345,582	05 14	NOV 29,1974	
3,812	345,582	05 15	NOV 29,1974	
3,828	345,605	05 16	NOV 29,1974	
3,845	345,628	05 17	NOV 29,1974	
3,862	345,605	05 18	NOV 29,1974	
3,878	345,582	05 19	NOV 29,1974	
3,895	345,582	05 20	NOV 29,1974	
3,911	345,628	05 21	NOV 29,1974	
3,928	345,628	05 22	NOV 29,1974	
3,944	345,696	05 23	NOV 29,1974	
3,961	345,696	05 24	NOV 29,1974	

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3,978	345,696	05 25	NOV 29,1974	START JETTING
3,994	345,765	05 26	NOV 29,1974	
4,011	345,719	05 27	NOV 29,1974	
4,027	345,719	05 28	NOV 29,1974	
4,044	345,742	05 29	NOV 29,1974	
4,060	345,738	05 30	NOV 29,1974	
4,077	345,765	05 31	NOV 29,1974	
4,094	345,311	05 32	NOV 29,1974	
4,110	345,742	05 33	NOV 29,1974	
4,127	345,765	05 34	NOV 29,1974	
4,143	345,765	05 35	NOV 29,1974	
4,160	345,311	05 36	NOV 29,1974	
4,176	345,738	05 37	NOV 29,1974	
4,193	345,738	05 38	NOV 29,1974	
4,210	345,811	05 39	NOV 29,1974	
4,226	345,811	05 40	NOV 29,1974	
4,243	345,856	05 41	NOV 29,1974	
4,259	345,834	05 42	NOV 29,1974	
4,276	345,834	05 43	NOV 29,1974	
4,293	345,879	05 44	NOV 29,1974	
4,309	345,856	05 45	NOV 29,1974	
4,326	345,902	05 46	NOV 29,1974	
4,342	345,879	05 47	NOV 29,1974	
4,359	345,925	05 48	NOV 29,1974	
4,375	345,925	05 49	NOV 29,1974	
4,392	345,948	05 50	NOV 29,1974	
4,409	345,925	05 51	NOV 29,1974	
4,425	345,902	05 52	NOV 29,1974	
4,442	345,902	05 53	NOV 29,1974	
4,458	345,948	05 53	NOV 29,1974	
4,475	345,925	05 54	NOV 29,1974	
4,491	346,016	05 55	NOV 29,1974	
4,508	346,016	05 56	NOV 29,1974	
4,525	345,948	05 57	NOV 29,1974	
4,541	345,948	05 58	NOV 29,1974	
4,558	345,993	05 59	NOV 29,1974	
4,574	345,993	06 00	NOV 29,1974	
4,591	345,948	06 01	NOV 29,1974	
4,607	346,016	06 02	NOV 29,1974	
4,624	345,993	06 03	NOV 29,1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
4,641	346,057	06 04	NOV 29, 1974	
4,657	346,993	06 05	NOV 29, 1974	
4,674	346,039	06 06	NOV 29, 1974	
4,690	346,057	06 07	NOV 29, 1974	
4,707	346,039	06 08	NOV 29, 1974	
4,723	346,039	06 09	NOV 29, 1974	
4,740	346,057	06 10	NOV 29, 1974	
4,757	346,057	06 11	NOV 29, 1974	
4,773	346,057	06 12	NOV 29, 1974	
4,790	346,057	06 13	NOV 29, 1974	
4,806	346,057	06 14	NOV 29, 1974	
4,823	346,149	06 15	NOV 29, 1974	
4,839	346,172	06 16	NOV 29, 1974	
4,856	346,194	06 17	NOV 29, 1974	
4,873	346,194	06 18	NOV 29, 1974	
4,889	346,217	06 19	NOV 29, 1974	
4,906	346,217	06 20	NOV 29, 1974	
4,922	346,194	06 21	NOV 29, 1974	
4,939	346,240	06 22	NOV 29, 1974	
4,955	346,217	06 23	NOV 29, 1974	
4,972	346,286	06 24	NOV 29, 1974	
4,989	346,263	06 25	NOV 29, 1974	END JETTING
5,005	346,194	06 26	NOV 29, 1974	
5,022	346,240	06 27	NOV 29, 1974	
5,038	346,286	06 28	NOV 29, 1974	
5,055	346,309	06 29	NOV 29, 1974	
5,071	346,263	06 30	NOV 29, 1974	
5,088	346,263	06 31	NOV 29, 1974	
5,105	346,332	06 32	NOV 29, 1974	
5,121	346,354	06 33	NOV 29, 1974	
5,138	346,377	06 34	NOV 29, 1974	
5,154	346,377	06 35	NOV 29, 1974	
5,171	346,309	06 36	NOV 29, 1974	
5,187	346,400	06 37	NOV 29, 1974	
5,204	346,400	06 38	NOV 29, 1974	
5,221	346,423	06 39	NOV 29, 1974	
5,237	346,400	06 40	NOV 29, 1974	
5,254	346,469	06 41	NOV 29, 1974	
5,270	346,286	06 42	NOV 29, 1974	
5,287	346,469	06 43	NOV 29, 1974	

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5,303	346,469	06 44	NOV 29,1974	
5,320	346,469	06 45	NOV 29,1974	
5,337	346,491	06 46	NOV 29,1974	
5,353	346,514	06 47	NOV 29,1974	
5,370	346,514	06 48	NOV 29,1974	
5,386	346,514	06 49	NOV 29,1974	
5,403	346,514	06 50	NOV 29,1974	
5,420	346,537	06 51	NOV 29,1974	
5,436	346,628	06 52	NOV 29,1974	
5,453	346,560	06 53	NOV 29,1974	
5,469	346,551	06 54	NOV 29,1974	
5,486	346,446	06 55	NOV 29,1974	
5,502	346,606	06 56	NOV 29,1974	
5,519	346,674	06 57	NOV 29,1974	
5,536	346,697	06 58	NOV 29,1974	
5,552	346,651	06 59	NOV 29,1974	
5,569	346,720	07 00	NOV 29,1974	
5,585	346,697	07 01	NOV 29,1974	
5,602	346,720	07 02	NOV 29,1974	
5,618	346,560	07 03	NOV 29,1974	
5,635	346,743	07 04	NOV 29,1974	
5,652	346,743	07 05	NOV 29,1974	
5,668	346,743	07 06	NOV 29,1974	
5,685	346,697	07 07	NOV 29,1974	
5,701	346,766	07 08	NOV 29,1974	
5,718	346,766	07 09	NOV 29,1974	
5,734	346,766	07 10	NOV 29,1974	
5,751	346,811	07 11	NOV 29,1974	
5,768	346,788	07 12	NOV 29,1974	
5,784	346,811	07 13	NOV 29,1974	
5,801	346,811	07 14	NOV 29,1974	
5,817	346,834	07 15	NOV 29,1974	
5,834	346,788	07 16	NOV 29,1974	
5,850	346,857	07 17	NOV 29,1974	
5,867	346,811	07 18	NOV 29,1974	
5,884	346,903	07 19	NOV 29,1974	
5,900	346,925	07 20	NOV 29,1974	
5,917	346,903	07 21	NOV 29,1974	
5,933	346,903	07 22	NOV 29,1974	
5,950	346,925	07 23	NOV 29,1974	

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5,966	346,948	07 24	NOV 29, 1974	
5,983	346,948	07 25	NOV 29, 1974	
6,000	346,948	07 26	NOV 29, 1974	
6,016	346,903	07 27	NOV 29, 1974	
6,033	346,925	07 28	NOV 29, 1974	
6,049	346,903	07 29	NOV 29, 1974	
6,066	346,971	07 30	NOV 29, 1974	
6,082	346,971	07 31	NOV 29, 1974	
6,099	347,017	07 32	NOV 29, 1974	
6,116	347,017	07 33	NOV 29, 1974	
6,132	346,903	07 34	NOV 29, 1974	
6,149	347,017	07 35	NOV 29, 1974	
6,165	347,040	07 36	NOV 29, 1974	
6,182	347,017	07 37	NOV 29, 1974	
6,198	347,040	07 38	NOV 29, 1974	
6,215	347,040	07 39	NOV 29, 1974	
6,232	347,035	07 40	NOV 29, 1974	
6,248	347,108	07 41	NOV 29, 1974	
6,265	347,017	07 42	NOV 29, 1974	
6,281	347,063	07 43	NOV 29, 1974	
6,298	347,063	07 44	NOV 29, 1974	
6,314	347,063	07 45	NOV 29, 1974	
6,331	347,131	07 46	NOV 29, 1974	
6,348	347,131	07 47	NOV 29, 1974	
6,364	347,131	07 48	NOV 29, 1974	
6,381	347,177	07 49	NOV 29, 1974	
6,397	347,154	07 50	NOV 29, 1974	
6,414	347,200	07 51	NOV 29, 1974	
6,430	347,177	07 52	NOV 29, 1974	
6,447	347,177	07 53	NOV 29, 1974	
6,464	347,177	07 54	NOV 29, 1974	
6,480	347,245	07 55	NOV 29, 1974	
6,497	347,245	07 56	NOV 29, 1974	
6,513	347,268	07 57	NOV 29, 1974	
6,530	347,222	07 58	NOV 29, 1974	
6,546	347,245	07 59	NOV 29, 1974	
6,563	347,222	08 00	NOV 29, 1974	
6,580	347,268	08 01	NOV 29, 1974	
6,596	347,268	08 02	NOV 29, 1974	
6,613	347,268	08 03	NOV 29, 1974	

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6,629	347,263	08 04	NOV 29, 1974	
6,646	347,314	08 05	NOV 29, 1974	
6,663	347,337	08 06	NOV 29, 1974	
6,679	347,359	08 07	NOV 29, 1974	
6,696	347,263	08 08	NOV 29, 1974	
6,712	347,314	08 09	NOV 29, 1974	
6,729	347,314	08 10	NOV 29, 1974	
6,745	347,314	08 11	NOV 29, 1974	
6,762	347,337	08 12	NOV 29, 1974	
6,779	347,382	08 13	NOV 29, 1974	
6,795	347,359	08 14	NOV 29, 1974	
6,812	347,382	08 15	NOV 29, 1974	
6,828	347,405	08 16	NOV 29, 1974	
6,845	347,337	08 17	NOV 29, 1974	
6,861	347,405	08 18	NOV 29, 1974	
6,878	347,474	08 19	NOV 29, 1974	
6,895	347,428	08 20	NOV 29, 1974	
6,911	347,382	08 21	NOV 29, 1974	
6,928	347,451	08 22	NOV 29, 1974	
6,944	347,423	08 23	NOV 29, 1974	
6,961	347,423	08 24	NOV 29, 1974	
6,977	347,423	08 25	NOV 29, 1974	
6,994	347,474	08 26	NOV 29, 1974	
7,011	347,474	08 27	NOV 29, 1974	
7,027	347,451	08 28	NOV 29, 1974	
7,044	347,542	08 29	NOV 29, 1974	
7,060	347,519	08 30	NOV 29, 1974	
7,077	347,451	08 31	NOV 29, 1974	
7,093	347,542	08 32	NOV 29, 1974	
7,110	347,542	08 33	NOV 29, 1974	
7,127	347,565	08 34	NOV 29, 1974	
7,143	347,519	08 35	NOV 29, 1974	
7,160	347,565	08 36	NOV 29, 1974	
7,176	347,588	08 37	NOV 29, 1974	
7,193	347,588	08 38	NOV 29, 1974	
7,209	347,588	08 39	NOV 29, 1974	
7,226	347,588	08 40	NOV 29, 1974	
7,243	347,634	08 41	NOV 29, 1974	
7,259	347,634	08 42	NOV 29, 1974	
7,276	347,611	08 43	NOV 29, 1974	

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7.292	347.634	08 44	NOV 29, 1974	
7.309	347.656	08 45	NOV 29, 1974	
7.325	347.634	08 46	NOV 29, 1974	
7.342	347.656	08 47	NOV 29, 1974	
7.359	347.679	08 48	NOV 29, 1974	
7.375	347.679	08 49	NOV 29, 1974	
7.392	347.725	08 50	NOV 29, 1974	
7.408	347.725	08 50	NOV 29, 1974	
7.425	347.702	08 51	NOV 29, 1974	
7.441	347.725	08 52	NOV 29, 1974	
7.458	347.702	08 53	NOV 29, 1974	
7.475	347.679	08 54	NOV 29, 1974	
7.491	347.748	08 55	NOV 29, 1974	
7.508	347.794	08 56	NOV 29, 1974	
7.524	347.794	08 57	NOV 29, 1974	
7.541	347.771	08 58	NOV 29, 1974	
7.557	347.794	08 59	NOV 29, 1974	
7.574	347.816	09 00	NOV 29, 1974	
7.591	347.816	09 01	NOV 29, 1974	
7.607	347.794	09 02	NOV 29, 1974	
7.624	347.771	09 03	NOV 29, 1974	
7.640	347.839	09 04	NOV 29, 1974	
7.657	347.816	09 05	NOV 29, 1974	
7.673	347.839	09 06	NOV 29, 1974	
7.690	347.885	09 07	NOV 29, 1974	
7.707	347.839	09 08	NOV 29, 1974	
7.723	347.794	09 09	NOV 29, 1974	
7.740	347.862	09 10	NOV 29, 1974	
7.756	347.885	09 11	NOV 29, 1974	
7.773	347.885	09 12	NOV 29, 1974	
7.789	347.931	09 13	NOV 29, 1974	
7.806	347.931	09 14	NOV 29, 1974	
7.823	347.931	09 15	NOV 29, 1974	
7.839	347.931	09 16	NOV 29, 1974	
7.856	347.953	09 17	NOV 29, 1974	
7.872	347.931	09 18	NOV 29, 1974	
7.889	347.976	09 19	NOV 29, 1974	
7.906	347.976	09 20	NOV 29, 1974	
7.922	347.931	09 21	NOV 29, 1974	
7.939	347.976	09 22	NOV 29, 1974	

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7,955	347,976	09 23	NOV 29, 1974	
7,972	347,976	09 24	NOV 29, 1974	
7,988	347,999	09 25	NOV 29, 1974	
8,005	347,976	09 26	NOV 29, 1974	
8,022	348,022	09 27	NOV 29, 1974	
8,038	348,045	09 28	NOV 29, 1974	
8,055	348,022	09 29	NOV 29, 1974	
8,071	347,903	09 30	NOV 29, 1974	
8,088	348,022	09 31	NOV 29, 1974	
8,104	348,045	09 32	NOV 29, 1974	
8,121	348,045	09 33	NOV 29, 1974	
8,138	348,022	09 34	NOV 29, 1974	
8,154	348,063	09 35	NOV 29, 1974	
8,171	348,045	09 36	NOV 29, 1974	
8,187	348,090	09 37	NOV 29, 1974	
8,204	348,090	09 38	NOV 29, 1974	
8,220	348,063	09 39	NOV 29, 1974	
8,237	348,090	09 40	NOV 29, 1974	
8,254	348,090	09 41	NOV 29, 1974	
8,270	348,090	09 42	NOV 29, 1974	
8,287	348,113	09 43	NOV 29, 1974	
8,303	348,136	09 44	NOV 29, 1974	
8,320	348,090	09 45	NOV 29, 1974	
8,336	348,113	09 46	NOV 29, 1974	
8,353	348,159	09 47	NOV 29, 1974	
8,370	348,113	09 48	NOV 29, 1974	
8,386	348,136	09 49	NOV 29, 1974	
8,403	348,136	09 50	NOV 29, 1974	
8,419	348,159	09 51	NOV 29, 1974	
8,436	348,182	09 52	NOV 29, 1974	
8,452	348,182	09 53	NOV 29, 1974	
8,469	348,228	09 54	NOV 29, 1974	
8,486	348,228	09 55	NOV 29, 1974	
8,502	348,228	09 56	NOV 29, 1974	
8,519	348,228	09 57	NOV 29, 1974	
8,535	348,273	09 58	NOV 29, 1974	
8,552	348,250	09 59	NOV 29, 1974	
8,568	348,273	10 00	NOV 29, 1974	
8,585	348,273	10 01	NOV 29, 1974	
8,602	348,250	10 02	NOV 29, 1974	

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8.618	348.273	10 03	NOV 29, 1974	
8.635	348.296	10 04	NOV 29, 1974	
8.651	348.273	10 05	NOV 29, 1974	
8.668	348.296	10 06	NOV 29, 1974	
8.684	348.296	10 07	NOV 29, 1974	
8.701	348.319	10 08	NOV 29, 1974	
8.718	348.342	10 09	NOV 29, 1974	
8.734	348.342	10 10	NOV 29, 1974	
8.751	348.342	10 11	NOV 29, 1974	
8.767	348.365	10 12	NOV 29, 1974	
8.784	348.365	10 13	NOV 29, 1974	
8.800	348.365	10 14	NOV 29, 1974	
8.817	348.387	10 15	NOV 29, 1974	
8.834	348.387	10 16	NOV 29, 1974	
8.850	348.410	10 17	NOV 29, 1974	
8.867	348.387	10 18	NOV 29, 1974	
8.883	348.342	10 19	NOV 29, 1974	
8.900	348.410	10 20	NOV 29, 1974	
8.916	348.410	10 21	NOV 29, 1974	
8.933	348.387	10 22	NOV 29, 1974	
8.950	348.433	10 23	NOV 29, 1974	
8.966	348.410	10 24	NOV 29, 1974	
8.983	348.410	10 25	NOV 29, 1974	
8.999	348.456	10 26	NOV 29, 1974	
9.016	348.479	10 27	NOV 29, 1974	
9.033	348.502	10 28	NOV 29, 1974	
9.049	348.502	10 29	NOV 29, 1974	
9.066	348.502	10 30	NOV 29, 1974	
9.082	348.524	10 31	NOV 29, 1974	
9.099	348.502	10 32	NOV 29, 1974	
9.115	348.502	10 33	NOV 29, 1974	
9.132	348.524	10 34	NOV 29, 1974	
9.149	348.547	10 35	NOV 29, 1974	
9.165	348.570	10 36	NOV 29, 1974	
9.182	348.547	10 37	NOV 29, 1974	
9.198	348.524	10 38	NOV 29, 1974	
9.215	348.570	10 39	NOV 29, 1974	
9.231	348.524	10 40	NOV 29, 1974	
9.248	348.570	10 41	NOV 29, 1974	
9.265	348.570	10 42	NOV 29, 1974	

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9,281	348,547	10 43	NOV 29,1974	
9,298	348,570	10 44	NOV 29,1974	
9,314	348,593	10 45	NOV 29,1974	
9,331	348,593	10 46	NOV 29,1974	
9,347	348,616	10 47	NOV 29,1974	
9,364	348,616	10 48	NOV 29,1974	
9,381	348,616	10 49	NOV 29,1974	
9,397	348,616	10 50	NOV 29,1974	
9,414	348,639	10 51	NOV 29,1974	
9,430	348,593	10 52	NOV 29,1974	
9,447	348,639	10 53	NOV 29,1974	
9,463	348,639	10 54	NOV 29,1974	
9,480	348,662	10 55	NOV 29,1974	
9,497	348,662	10 56	NOV 29,1974	
9,513	348,639	10 57	NOV 29,1974	
9,530	348,662	10 58	NOV 29,1974	
9,546	348,684	10 59	NOV 29,1974	
9,563	348,684	11 00	NOV 29,1974	
9,579	348,684	11 01	NOV 29,1974	
9,596	348,707	11 02	NOV 29,1974	
9,613	348,707	11 03	NOV 29,1974	
9,629	348,730	11 04	NOV 29,1974	
9,646	348,684	11 05	NOV 29,1974	
9,662	348,730	11 06	NOV 29,1974	
9,679	348,730	11 07	NOV 29,1974	
9,695	348,730	11 08	NOV 29,1974	
9,712	348,753	11 09	NOV 29,1974	
9,729	348,684	11 10	NOV 29,1974	
9,745	348,707	11 11	NOV 29,1974	
9,762	348,776	11 12	NOV 29,1974	
9,778	348,753	11 13	NOV 29,1974	
9,795	348,776	11 14	NOV 29,1974	
9,811	348,799	11 15	NOV 29,1974	
9,828	348,799	11 16	NOV 29,1974	
9,845	348,799	11 17	NOV 29,1974	
9,861	348,844	11 18	NOV 29,1974	
9,878	348,821	11 19	NOV 29,1974	
9,894	348,821	11 20	NOV 29,1974	
9,911	348,821	11 21	NOV 29,1974	
9,927	348,844	11 22	NOV 29,1974	

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9,944	348,844	11 23	NOV 29,1974	
9,961	348,821	11 24	NOV 29,1974	
9,977	348,844	11 25	NOV 29,1974	
9,994	348,867	11 26	NOV 29,1974	
10,010	348,913	11 27	NOV 29,1974	
10,027	348,936	11 28	NOV 29,1974	
10,043	348,867	11 29	NOV 29,1974	
10,060	348,936	11 30	NOV 29,1974	
10,077	348,913	11 31	NOV 29,1974	
10,093	348,890	11 32	NOV 29,1974	
10,110	348,936	11 33	NOV 29,1974	
10,126	348,936	11 34	NOV 29,1974	
10,143	348,936	11 35	NOV 29,1974	
10,159	348,981	11 36	NOV 29,1974	
10,176	348,981	11 37	NOV 29,1974	
10,193	348,981	11 38	NOV 29,1974	
10,209	349,004	11 39	NOV 29,1974	
10,226	349,004	11 40	NOV 29,1974	
10,242	348,981	11 41	NOV 29,1974	
10,259	348,981	11 42	NOV 29,1974	
10,276	348,981	11 43	NOV 29,1974	
10,292	349,027	11 44	NOV 29,1974	
10,309	349,004	11 45	NOV 29,1974	
10,325	349,027	11 46	NOV 29,1974	
10,342	348,981	11 47	NOV 29,1974	
10,358	349,050	11 48	NOV 29,1974	
10,375	349,073	11 48	NOV 29,1974	
10,392	349,004	11 49	NOV 29,1974	
10,408	349,096	11 50	NOV 29,1974	
10,425	349,096	11 51	NOV 29,1974	
10,441	349,027	11 52	NOV 29,1974	
10,453	349,096	11 53	NOV 29,1974	
10,474	349,050	11 54	NOV 29,1974	
10,491	349,096	11 55	NOV 29,1974	
10,508	349,050	11 56	NOV 29,1974	
10,524	349,096	11 57	NOV 29,1974	
10,541	349,118	11 58	NOV 29,1974	
10,557	349,141	11 59	NOV 29,1974	
10,574	349,141	12 00	NOV 29,1974	
10,590	349,141	12 01	NOV 29,1974	

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10,607	349,141	12 02	NOV 29,1974	
10,624	349,118	12 03	NOV 29,1974	
10,640	349,096	12 04	NOV 29,1974	
10,657	349,118	12 05	NOV 29,1974	
10,673	349,137	12 06	NOV 29,1974	
10,690	349,137	12 07	NOV 29,1974	
10,706	349,137	12 08	NOV 29,1974	
10,723	349,164	12 09	NOV 29,1974	
10,740	349,137	12 10	NOV 29,1974	
10,756	349,255	12 11	NOV 29,1974	
10,773	349,210	12 12	NOV 29,1974	
10,789	349,233	12 13	NOV 29,1974	
10,806	349,233	12 14	NOV 29,1974	
10,822	349,233	12 15	NOV 29,1974	
10,839	349,233	12 16	NOV 29,1974	
10,856	349,164	12 17	NOV 29,1974	
10,872	349,233	12 18	NOV 29,1974	
10,889	349,255	12 19	NOV 29,1974	
10,905	349,301	12 20	NOV 29,1974	
10,922	349,233	12 21	NOV 29,1974	
10,938	349,255	12 22	NOV 29,1974	
10,955	349,301	12 23	NOV 29,1974	
10,972	349,278	12 24	NOV 29,1974	
10,988	349,301	12 25	NOV 29,1974	
11,005	349,301	12 26	NOV 29,1974	
11,021	349,324	12 27	NOV 29,1974	
11,038	349,301	12 28	NOV 29,1974	
11,054	349,278	12 29	NOV 29,1974	
11,071	349,324	12 30	NOV 29,1974	
11,088	349,347	12 31	NOV 29,1974	
11,104	349,347	12 32	NOV 29,1974	
11,121	349,347	12 33	NOV 29,1974	
11,137	349,324	12 34	NOV 29,1974	
11,154	349,393	12 35	NOV 29,1974	
11,170	349,393	12 36	NOV 29,1974	
11,187	349,370	12 37	NOV 29,1974	
11,204	349,393	12 38	NOV 29,1974	
11,220	349,370	12 39	NOV 29,1974	
11,237	349,370	12 40	NOV 29,1974	
11,253	349,324	12 41	NOV 29,1974	

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11,270	349,415	12 42	NOV 29,1974	
11,286	349,415	12 43	NOV 29,1974	
11,303	349,415	12 44	NOV 29,1974	
11,320	349,415	12 45	NOV 29,1974	
11,336	349,393	12 46	NOV 29,1974	
11,353	349,415	12 47	NOV 29,1974	
11,369	349,415	12 48	NOV 29,1974	
11,386	349,438	12 49	NOV 29,1974	
11,402	349,438	12 50	NOV 29,1974	
11,419	349,415	12 51	NOV 29,1974	
11,436	349,461	12 52	NOV 29,1974	
11,452	349,438	12 53	NOV 29,1974	
11,469	349,484	12 54	NOV 29,1974	
11,485	349,507	12 55	NOV 29,1974	
11,502	349,484	12 56	NOV 29,1974	
11,519	349,484	12 57	NOV 29,1974	
11,535	349,484	12 58	NOV 29,1974	
11,552	349,530	12 59	NOV 29,1974	
11,568	349,507	13 00	NOV 29,1974	
11,585	349,552	13 01	NOV 29,1974	
11,601	349,530	13 02	NOV 29,1974	3 GPM INSIDE
11,618	349,552	13 03	NOV 29,1974	DRILL PIPE
11,635	349,575	13 04	NOV 29,1974	
11,651	349,530	13 05	NOV 29,1974	
11,668	349,575	13 06	NOV 29,1974	
11,684	349,552	13 07	NOV 29,1974	
11,701	349,530	13 08	NOV 29,1974	
11,717	349,552	13 09	NOV 29,1974	
11,734	349,575	13 10	NOV 29,1974	
11,751	349,621	13 11	NOV 29,1974	
11,767	349,530	13 12	NOV 29,1974	
11,784	349,575	13 13	NOV 29,1974	
11,800	349,598	13 14	NOV 29,1974	
11,817	349,621	13 15	NOV 29,1974	
11,833	349,575	13 16	NOV 29,1974	
11,850	349,552	13 17	NOV 29,1974	
11,867	349,621	13 18	NOV 29,1974	
11,883	349,575	13 19	NOV 29,1974	
11,900	349,644	13 20	NOV 29,1974	
11,916	349,621	13 21	NOV 29,1974	

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11,933	349,644	13 22	NOV 29,1974	
11,949	349,644	13 23	NOV 29,1974	
11,966	349,667	13 24	NOV 29,1974	
11,983	349,644	13 25	NOV 29,1974	
11,999	349,735	13 26	NOV 29,1974	5 GPM INSIDE
12,016	349,690	13 27	NOV 29,1974	DRILL PIPE
12,032	349,690	13 28	NOV 29,1974	
12,049	349,644	13 29	NOV 29,1974	
12,065	349,690	13 30	NOV 29,1974	
12,082	349,690	13 31	NOV 29,1974	
12,099	349,690	13 32	NOV 29,1974	
12,115	349,712	13 33	NOV 29,1974	
12,132	349,712	13 34	NOV 29,1974	
12,148	349,735	13 35	NOV 29,1974	
12,165	349,690	13 36	NOV 29,1974	
12,181	349,712	13 37	NOV 29,1974	
12,198	349,735	13 38	NOV 29,1974	
12,215	349,758	13 39	NOV 29,1974	
12,231	349,781	13 40	NOV 29,1974	
12,248	349,781	13 41	NOV 29,1974	
12,264	349,781	13 42	NOV 29,1974	
12,281	349,781	13 43	NOV 29,1974	
12,297	349,781	13 44	NOV 29,1974	
12,314	349,804	13 45	NOV 29,1974	10 GPM INSIDE
12,331	349,758	13 46	NOV 29,1974	DRILL PIPE
12,347	349,781	13 47	NOV 29,1974	
12,364	349,804	13 48	NOV 29,1974	
12,380	349,827	13 49	NOV 29,1974	
12,397	349,804	13 50	NOV 29,1974	
12,413	349,804	13 51	NOV 29,1974	
12,430	349,804	13 52	NOV 29,1974	
12,447	349,872	13 53	NOV 29,1974	
12,463	349,849	13 54	NOV 29,1974	
12,480	349,827	13 55	NOV 29,1974	
12,496	349,827	13 56	NOV 29,1974	
12,513	349,849	13 57	NOV 29,1974	
12,529	349,872	13 58	NOV 29,1974	
12,546	349,872	13 59	NOV 29,1974	
12,563	349,895	14 00	NOV 29,1974	
12,579	349,895	14 01	NOV 29,1974	

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12,596	349,913	14 02	NOV 29,1974	
12,612	349,849	14 03	NOV 29,1974	
12,629	349,913	14 04	NOV 29,1974	
12,646	349,372	14 05	NOV 29,1974	
12,662	349,913	14 06	NOV 29,1974	
12,679	349,741	14 07	NOV 29,1974	
12,695	349,713	14 08	NOV 29,1974	20 GPM INSIDE
12,712	349,941	14 09	NOV 29,1974	DRILL PIPE
12,728	349,964	14 10	NOV 29,1974	
12,745	349,964	14 11	NOV 29,1974	
12,762	350,009	14 12	NOV 29,1974	
12,778	349,986	14 13	NOV 29,1974	
12,795	349,986	14 14	NOV 29,1974	
12,811	349,986	14 15	NOV 29,1974	
12,828	350,009	14 16	NOV 29,1974	
12,844	350,032	14 17	NOV 29,1974	
12,861	350,032	14 18	NOV 29,1974	
12,878	350,055	14 19	NOV 29,1974	
12,894	350,055	14 20	NOV 29,1974	
12,911	350,055	14 21	NOV 29,1974	
12,927	350,055	14 22	NOV 29,1974	
12,944	350,055	14 23	NOV 29,1974	
12,960	350,101	14 24	NOV 29,1974	
12,977	350,078	14 25	NOV 29,1974	
12,994	350,078	14 26	NOV 29,1974	
13,010	350,078	14 27	NOV 29,1974	
13,027	350,055	14 28	NOV 29,1974	
13,043	350,101	14 29	NOV 29,1974	END OVERFLOW
13,060	350,101	14 30	NOV 29,1974	
13,076	350,101	14 31	NOV 29,1974	
13,093	350,124	14 32	NOV 29,1974	
13,110	350,078	14 33	NOV 29,1974	
13,126	350,124	14 34	NOV 29,1974	
13,143	350,101	14 35	NOV 29,1974	
13,159	350,146	14 36	NOV 29,1974	
13,176	350,124	14 37	NOV 29,1974	
13,192	350,078	14 38	NOV 29,1974	
13,209	350,124	14 39	NOV 29,1974	
13,225	350,146	14 40	NOV 29,1974	
13,242	350,055	14 41	NOV 29,1974	

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13.259	350.124	14 42	NOV 29, 1974	
13.275	350.169	14 43	NOV 29, 1974	
13.292	350.146	14 44	NOV 29, 1974	
13.308	350.146	14 45	NOV 29, 1974	
13.325	350.146	14 46	NOV 29, 1974	
13.342	350.169	14 46	NOV 29, 1974	
13.358	350.169	14 47	NOV 29, 1974	
13.375	350.169	14 48	NOV 29, 1974	
13.391	350.192	14 49	NOV 29, 1974	
13.408	350.146	14 50	NOV 29, 1974	
13.424	350.169	14 51	NOV 29, 1974	
13.441	350.169	14 52	NOV 29, 1974	
13.458	350.192	14 53	NOV 29, 1974	
13.474	350.169	14 54	NOV 29, 1974	
13.491	350.146	14 55	NOV 29, 1974	
13.507	350.215	14 56	NOV 29, 1974	
13.524	350.215	14 57	NOV 29, 1974	
13.540	350.215	14 58	NOV 29, 1974	
13.557	350.215	14 59	NOV 29, 1974	
13.574	350.238	15 00	NOV 29, 1974	
13.590	350.146	15 01	NOV 29, 1974	
13.607	350.261	15 02	NOV 29, 1974	
13.623	350.192	15 03	NOV 29, 1974	20 GPM ANNULUS
13.640	350.283	15 04	NOV 29, 1974	
13.656	350.238	15 05	NOV 29, 1974	
13.673	351.151	15 06	NOV 29, 1974	
13.690	352.294	15 07	NOV 29, 1974	
13.706	353.207	15 08	NOV 29, 1974	
13.723	353.916	15 09	NOV 29, 1974	
13.739	354.487	15 10	NOV 29, 1974	
13.756	355.012	15 11	NOV 29, 1974	
13.772	355.400	15 12	NOV 29, 1974	
13.789	355.743	15 13	NOV 29, 1974	
13.806	356.040	15 14	NOV 29, 1974	
13.822	356.337	15 15	NOV 29, 1974	
13.839	356.565	15 16	NOV 29, 1974	
13.855	356.771	15 17	NOV 29, 1974	
13.872	356.908	15 18	NOV 29, 1974	40 GPM ANNULUS
13.889	357.136	15 19	NOV 29, 1974	
13.905	358.416	15 20	NOV 29, 1974	

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13,922	361,271	15 21	NOV 29,1974	
13,938	363,601	15 22	NOV 29,1974	
13,955	365,703	15 23	NOV 29,1974	
13,971	367,416	15 24	NOV 29,1974	
13,988	369,243	15 25	NOV 29,1974	
14,005	370,614	15 26	NOV 29,1974	
14,021	371,893	15 27	NOV 29,1974	
14,038	372,921	15 28	NOV 29,1974	
14,054	373,904	15 29	NOV 29,1974	
14,071	374,726	15 30	NOV 29,1974	
14,087	375,594	15 31	NOV 29,1974	
14,104	376,302	15 32	NOV 29,1974	
14,121	376,987	15 33	NOV 29,1974	
14,137	377,581	15 34	NOV 29,1974	
14,154	378,175	15 35	NOV 29,1974	
14,170	378,723	15 36	NOV 29,1974	
14,187	379,295	15 37	NOV 29,1974	
14,203	379,797	15 38	NOV 29,1974	
14,220	380,323	15 39	NOV 29,1974	
14,237	380,757	15 40	NOV 29,1974	
14,253	381,259	15 41	NOV 29,1974	60 GPM ANNULUS
14,270	381,922	15 42	NOV 29,1974	
14,286	383,840	15 43	NOV 29,1974	
14,303	385,759	15 44	NOV 29,1974	
14,319	387,678	15 45	NOV 29,1974	
14,336	389,574	15 46	NOV 29,1974	
14,353	391,105	15 47	NOV 29,1974	
14,369	392,498	15 48	NOV 29,1974	
14,386	393,823	15 49	NOV 29,1974	
14,402	395,148	15 50	NOV 29,1974	
14,419	396,381	15 51	NOV 29,1974	
14,435	397,546	15 52	NOV 29,1974	END 60 GPM
14,452	398,620	15 53	NOV 29,1974	
14,469	399,666	15 54	NOV 29,1974	
14,485	400,671	15 55	NOV 29,1974	
14,502	401,608	15 56	NOV 29,1974	
14,518	402,156	15 57	NOV 29,1974	
14,535	398,574	15 58	NOV 29,1974	
14,551	393,617	15 59	NOV 29,1974	
14,568	389,186	16 00	NOV 29,1974	

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14.585	385,028	16 01	NOV 29, 1974	
14.601	381,670	16 02	NOV 29, 1974	
14.613	373,833	16 03	NOV 29, 1974	
14.634	376,211	16 04	NOV 29, 1974	
14.651	373,693	16 05	NOV 29, 1974	
14.667	371,308	16 06	NOV 29, 1974	
14.684	369,152	16 07	NOV 29, 1974	
14.701	367,233	16 08	NOV 29, 1974	
14.717	365,566	16 09	NOV 29, 1974	
14.734	364,012	16 10	NOV 29, 1974	
14.750	362,756	16 11	NOV 29, 1974	
14.767	361,682	16 12	NOV 29, 1974	
14.783	360,700	16 13	NOV 29, 1974	
14.800	359,786	16 14	NOV 29, 1974	
14.817	359,073	16 15	NOV 29, 1974	END FLOW TEST

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895 POINTS REPORTED THIS RUN

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JOB NUMBER
SPG-11210-L

DATE OF JOB
NOVEMBER 29, 1974

GAUGE/RUN NUMBER
145 RUN NO, 12 DST NO, 15

DATE OF RUN
DECEMBER 28, 1974

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0.000	341.535	16 15	NOV 29, 1974	FINAL SHUT IN
.017	341.653	16 16	NOV 29, 1974	
.033	341.722	16 17	NOV 29, 1974	
.050	341.767	16 18	NOV 29, 1974	
.067	341.767	16 19	NOV 29, 1974	
.083	341.790	16 20	NOV 29, 1974	
.100	341.859	16 21	NOV 29, 1974	
.117	341.836	16 22	NOV 29, 1974	
.133	341.836	16 23	NOV 29, 1974	
.150	341.836	16 24	NOV 29, 1974	
.167	341.836	16 25	NOV 29, 1974	
.183	341.790	16 26	NOV 29, 1974	
.200	341.790	16 27	NOV 29, 1974	
.217	341.790	16 28	NOV 29, 1974	
.233	341.790	16 29	NOV 29, 1974	
.250	341.790	16 30	NOV 29, 1974	END TEST

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16 POINTS REPORTED THIS RUN

JOB NUMBER
SPG-11210-L

DATE OF JOB
NOVEMBER 29, 1974

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

PREPARED FOR

ATLANTIC RICHFIELD COMPANY

WELL NUMBER FEDERAL SG-17
FIELD/LEASE TRACT C-B SORGHUM GULCH
COUNTY/PARISH RIO BLANCO
STATE COLORADO
TYPE OF TEST DRILL STEM
REFERENCE ELEV GROUND LEVEL

ADDITIONAL INFORMATION

USED GAUGE 95 WITH 1000 LB. ELEMENT,

DEPTH OF GAUGE IS 1290.32 FT,

INSIDE D.P. BELOW PACKER,

TEST INTERVAL 1280 TO 1309 FT.

SET PACKER DEPTH IS 1280 FT,

INITIAL HYDROSTATIC IS 382.57 PSI,

FINAL SHUT-IN IS 388.49 PSI,

GROUND LEVEL REFERENCE 7036 FT,

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889 POINTS REPORTED THIS JOB

PAGE 1 OF 24 PAGES

JOB NUMBER
SPG-11210-L

DATE OF JOB
NOVEMBER 29, 1974

GAUGE/RUN NUMBER
95 RUN NO, 12 DST NO, 15

DATE OF RUN
DECEMBER 12, 1974

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0.000	57.178	00 49	NOV 29, 1974	START SHUTIN
.016	358.630	00 50	NOV 29, 1974	
.032	366.894	00 51	NOV 29, 1974	
.048	376.071	00 52	NOV 29, 1974	
.065	378.488	00 53	NOV 29, 1974	
.081	379.685	00 54	NOV 29, 1974	
.097	380.507	00 55	NOV 29, 1974	
.113	380.882	00 56	NOV 29, 1974	
.129	381.234	00 57	NOV 29, 1974	
.145	381.516	00 58	NOV 29, 1974	
.161	381.727	00 59	NOV 29, 1974	
.177	381.938	01 00	NOV 29, 1974	
.194	382.079	01 01	NOV 29, 1974	
.210	382.243	01 02	NOV 29, 1974	
.226	382.314	01 03	NOV 29, 1974	
.242	382.455	01 04	NOV 29, 1974	
.258	382.502	01 04	NOV 29, 1974	
.274	382.595	01 05	NOV 29, 1974	
.290	382.666	01 06	NOV 29, 1974	
.306	382.713	01 07	NOV 29, 1974	
.323	382.760	01 08	NOV 29, 1974	
.339	382.830	01 09	NOV 29, 1974	
.355	382.901	01 10	NOV 29, 1974	
.371	382.948	01 11	NOV 29, 1974	
.387	382.948	01 12	NOV 29, 1974	
.403	383.018	01 13	NOV 29, 1974	
.419	383.041	01 14	NOV 29, 1974	
.435	383.112	01 15	NOV 29, 1974	
.452	383.135	01 16	NOV 29, 1974	
.468	383.182	01 17	NOV 29, 1974	
.484	383.206	01 18	NOV 29, 1974	
.500	383.206	01 19	NOV 29, 1974	END SHUTIN

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32 POINTS REPORTED THIS RUN

JOB NUMBER
SPG-11210-L

DATE OF
NOVEMBER 29, 1974

GAUGE/RUN NUMBER
95 RUN NO, 12 DST = 15

DATE OF
DECEMBER 12, 1974

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0.000	97.219	01 26	NOV 30, 1974	START FLOW
.017	123.081	01 27	NOV 30, 1974	
.033	156.763	01 28	NOV 30, 1974	
.050	157.491	01 29	NOV 30, 1974	
.067	172.441	01 30	NOV 30, 1974	
.083	184.786	01 31	NOV 30, 1974	
.100	196.406	01 32	NOV 30, 1974	
.117	207.295	01 33	NOV 30, 1974	
.133	218.514	01 34	NOV 30, 1974	
.150	228.981	01 35	NOV 30, 1974	
.167	239.331	01 36	NOV 30, 1974	
.184	248.158	01 37	NOV 30, 1974	
.200	258.086	01 38	NOV 30, 1974	
.217	266.887	01 39	NOV 30, 1974	
.234	275.195	01 40	NOV 30, 1974	
.250	283.362	01 41	NOV 30, 1974	
.267	290.755	01 42	NOV 30, 1974	
.284	297.772	01 43	NOV 30, 1974	
.300	303.501	01 44	NOV 30, 1974	
.317	309.838	01 45	NOV 30, 1974	
.334	316.480	01 46	NOV 30, 1974	
.350	322.066	01 47	NOV 30, 1974	
.367	327.839	01 48	NOV 30, 1974	
.384	332.204	01 49	NOV 30, 1974	
.400	337.133	01 50	NOV 30, 1974	
.417	341.921	01 51	NOV 30, 1974	
.434	346.098	01 52	NOV 30, 1974	
.451	349.759	01 53	NOV 30, 1974	
.467	353.139	01 54	NOV 30, 1974	
.484	356.192	01 55	NOV 30, 1974	
.501	359.267	01 56	NOV 30, 1974	
.517	361.731	01 57	NOV 30, 1974	
.534	365.111	01 58	NOV 30, 1974	
.551	366.143	01 59	NOV 30, 1974	
.567	368.068	02 00	NOV 30, 1974	
.584	369.781	02 01	NOV 30, 1974	
.601	371.283	02 02	NOV 30, 1974	
.617	372.598	02 03	NOV 30, 1974	
.634	374.499	02 04	NOV 30, 1974	
.651	374.757	02 05	NOV 30, 1974	

JCB NUMBER
SPG-11210-L

DATE OF JO
NOVEMBER 29, 197

GAUGE/RUN NUMBER
95 RUN NO, 12 DST = 15

DATE OF RU
DECEMBER 12, 197

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
,667	375,109	02 06	NOV 30, 1974	
,684	376,235	02 07	NOV 30, 1974	
,701	376,869	02 08	NOV 30, 1974	
,717	377,456	02 09	NOV 30, 1974	
,734	377,925	02 10	NOV 30, 1974	
,751	378,348	02 11	NOV 30, 1974	
,768	378,746	02 12	NOV 30, 1974	
,784	379,239	02 13	NOV 30, 1974	
,801	378,183	02 14	NOV 30, 1974	
,818	379,709	02 15	NOV 30, 1974	
,834	380,014	02 16	NOV 30, 1974	
,851	380,202	02 17	NOV 30, 1974	
,868	380,389	02 18	NOV 30, 1974	
,884	380,554	02 19	NOV 30, 1974	
,901	380,718	02 20	NOV 30, 1974	
,918	380,788	02 21	NOV 30, 1974	
,934	381,000	02 22	NOV 30, 1974	
,951	381,117	02 23	NOV 30, 1974	
,968	381,258	02 24	NOV 30, 1974	
,984	381,399	02 25	NOV 30, 1974	
1,001	381,516	02 26	NOV 30, 1974	
1,018	381,727	02 27	NOV 30, 1974	
1,034	381,704	02 28	NOV 30, 1974	
1,051	381,774	02 29	NOV 30, 1974	
1,068	381,844	02 30	NOV 30, 1974	
1,085	381,633	02 31	NOV 30, 1974	
1,101	381,516	02 32	NOV 30, 1974	
1,118	381,704	02 33	NOV 30, 1974	
1,135	381,821	02 34	NOV 30, 1974	
1,151	381,798	02 35	NOV 30, 1974	
1,168	381,891	02 36	NOV 30, 1974	
1,185	381,985	02 37	NOV 30, 1974	
1,201	382,056	02 38	NOV 30, 1974	
1,218	382,150	02 39	NOV 30, 1974	
1,235	382,173	02 40	NOV 30, 1974	
1,251	383,652	02 41	NOV 30, 1974	
1,268	382,314	02 42	NOV 30, 1974	
1,285	382,361	02 43	NOV 30, 1974	
1,301	382,431	02 44	NOV 30, 1974	
1,318	382,478	02 45	NOV 30, 1974	

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DATE OF J
NOVEMBER 29, 19

GAUGE/RUN NUMBER
95 RUN NO, 12 DST = 15

DATE OF R
DECEMBER 12, 19

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
1,335	382,502	02 46	NOV 30,1974	
1,352	382,549	02 47	NOV 30,1974	
1,368	382,595	02 48	NOV 30,1974	
1,385	382,619	02 49	NOV 30,1974	
1,402	382,666	02 50	NOV 30,1974	
1,418	382,713	02 51	NOV 30,1974	
1,435	382,736	02 52	NOV 30,1974	
1,452	382,733	02 53	NOV 30,1974	
1,468	382,783	02 54	NOV 30,1974	
1,485	382,830	02 55	NOV 30,1974	
1,502	382,854	02 56	NOV 30,1974	
1,518	382,901	02 57	NOV 30,1974	
1,535	382,901	02 58	NOV 30,1974	
1,552	382,942	02 59	NOV 30,1974	
1,568	382,948	03 00	NOV 30,1974	
1,585	382,971	03 01	NOV 30,1974	
1,602	383,018	03 02	NOV 30,1974	
1,618	383,041	03 03	NOV 30,1974	
1,635	383,065	03 04	NOV 30,1974	
1,652	383,065	03 05	NOV 30,1974	
1,669	383,112	03 06	NOV 30,1974	
1,685	383,112	03 07	NOV 30,1974	
1,702	383,135	03 08	NOV 30,1974	
1,719	383,182	03 09	NOV 30,1974	
1,735	383,182	03 10	NOV 30,1974	
1,752	383,206	03 11	NOV 30,1974	
1,769	383,229	03 12	NOV 30,1974	
1,785	383,253	03 13	NOV 30,1974	
1,802	383,253	03 14	NOV 30,1974	
1,819	383,300	03 15	NOV 30,1974	
1,835	383,300	03 16	NOV 30,1974	
1,852	383,346	03 17	NOV 30,1974	
1,869	383,346	03 18	NOV 30,1974	
1,885	383,346	03 19	NOV 30,1974	
1,902	383,370	03 20	NOV 30,1974	
1,919	383,370	03 21	NOV 30,1974	
1,936	383,393	03 22	NOV 30,1974	
1,952	383,417	03 23	NOV 30,1974	
1,969	383,440	03 24	NOV 30,1974	
1,986	383,464	03 25	NOV 30,1974	

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NOVEMBER 29, 1974

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95 RUN NO, 12 DST = 15

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DECEMBER 12, 1974

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
2,002	383,440	03 26	NOV 30, 1974	
2,019	383,464	03 27	NOV 30, 1974	
2,036	383,487	03 28	NOV 30, 1974	
2,052	383,511	03 29	NOV 30, 1974	
2,069	383,534	03 30	NOV 30, 1974	
2,086	383,534	03 31	NOV 30, 1974	
2,102	383,581	03 32	NOV 30, 1974	
2,119	383,581	03 33	NOV 30, 1974	
2,136	383,605	03 34	NOV 30, 1974	
2,152	383,628	03 35	NOV 30, 1974	
2,169	383,605	03 36	NOV 30, 1974	
2,186	383,652	03 37	NOV 30, 1974	
2,202	383,675	03 38	NOV 30, 1974	
2,219	383,652	03 39	NOV 30, 1974	
2,236	383,675	03 40	NOV 30, 1974	
2,253	383,722	03 41	NOV 30, 1974	
2,269	383,722	03 42	NOV 30, 1974	
2,286	383,745	03 43	NOV 30, 1974	
2,303	383,769	03 44	NOV 30, 1974	
2,319	383,745	03 45	NOV 30, 1974	
2,336	383,769	03 46	NOV 30, 1974	
2,353	383,769	03 47	NOV 30, 1974	
2,369	383,769	03 48	NOV 30, 1974	
2,386	383,769	03 49	NOV 30, 1974	
2,403	383,769	03 50	NOV 30, 1974	
2,419	383,745	03 51	NOV 30, 1974	
2,436	383,745	03 52	NOV 30, 1974	
2,453	383,745	03 53	NOV 30, 1974	
2,469	383,769	03 54	NOV 30, 1974	
2,486	383,769	03 55	NOV 30, 1974	
2,503	383,792	03 56	NOV 30, 1974	
2,519	383,933	03 57	NOV 30, 1974	
2,536	383,886	03 58	NOV 30, 1974	
2,553	383,886	03 59	NOV 30, 1974	
2,570	384,004	04 00	NOV 30, 1974	
2,586	383,933	04 01	NOV 30, 1974	
2,603	383,980	04 02	NOV 30, 1974	
2,620	384,004	04 03	NOV 30, 1974	
2,636	384,027	04 04	NOV 30, 1974	
2,653	384,074	04 05	NOV 30, 1974	

JOB NUMBER
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DATE OF J
NOVEMBER 29, 19

GAUGE/RUN NUMBER
95 RUN NO. 12 DST = 15

DATE OF R
DECEMBER 12, 19

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
2,670	384,098	04 06	NOV 30, 1974	
2,686	384,121	04 07	NOV 30, 1974	
2,703	384,121	04 08	NOV 30, 1974	
2,720	384,144	04 09	NOV 30, 1974	
2,736	384,121	04 10	NOV 30, 1974	
2,753	384,168	04 11	NOV 30, 1974	
2,770	384,144	04 12	NOV 30, 1974	
2,786	384,168	04 13	NOV 30, 1974	
2,803	384,144	04 14	NOV 30, 1974	
2,820	384,168	04 15	NOV 30, 1974	
2,837	384,262	04 16	NOV 30, 1974	
2,853	384,262	04 17	NOV 30, 1974	
2,870	384,285	04 18	NOV 30, 1974	
2,887	384,262	04 19	NOV 30, 1974	
2,903	384,285	04 20	NOV 30, 1974	
2,920	384,309	04 21	NOV 30, 1974	
2,937	384,309	04 22	NOV 30, 1974	
2,953	384,332	04 23	NOV 30, 1974	
2,970	384,332	04 24	NOV 30, 1974	
2,987	384,332	04 25	NOV 30, 1974	
3,003	384,731	04 26	NOV 30, 1974	
3,020	384,684	04 27	NOV 30, 1974	
3,037	385,107	04 28	NOV 30, 1974	
3,053	385,201	04 29	NOV 30, 1974	
3,070	385,318	04 30	NOV 30, 1974	
3,087	385,177	04 31	NOV 30, 1974	
3,103	385,459	04 32	NOV 30, 1974	
3,120	385,787	04 33	NOV 30, 1974	
3,137	385,506	04 34	NOV 30, 1974	
3,154	385,740	04 35	NOV 30, 1974	
3,170	385,553	04 36	NOV 30, 1974	
3,187	385,764	04 37	NOV 30, 1974	
3,204	386,022	04 38	NOV 30, 1974	
3,220	385,670	04 39	NOV 30, 1974	
3,237	385,858	04 40	NOV 30, 1974	
3,254	386,374	04 41	NOV 30, 1974	
3,270	385,858	04 42	NOV 30, 1974	
3,287	386,116	04 43	NOV 30, 1974	
3,304	385,858	04 44	NOV 30, 1974	
3,320	386,092	04 45	NOV 30, 1974	

JOB NUMBER
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DATE OF JOB
NOVEMBER 29, 1974

GAUGE/RUN NUMBER
95 RUN NO, 12 DST = 15

DATE OF RUN
DECEMBER 12, 1974

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
3,337	385,853	04 46	NOV 30, 1974	
3,354	385,570	04 47	NOV 30, 1974	
3,370	385,506	04 48	NOV 30, 1974	
3,387	385,311	04 49	NOV 30, 1974	
3,404	385,523	04 50	NOV 30, 1974	
3,421	385,435	04 51	NOV 30, 1974	
3,437	385,271	04 52	NOV 30, 1974	
3,454	385,224	04 53	NOV 30, 1974	
3,471	385,154	04 54	NOV 30, 1974	
3,487	385,083	04 55	NOV 30, 1974	
3,504	385,060	04 56	NOV 30, 1974	
3,521	385,060	04 57	NOV 30, 1974	
3,537	385,013	04 58	NOV 30, 1974	
3,554	384,939	04 59	NOV 30, 1974	
3,571	384,942	05 00	NOV 30, 1974	
3,587	384,919	05 01	NOV 30, 1974	
3,604	384,895	05 02	NOV 30, 1974	
3,621	384,849	05 03	NOV 30, 1974	
3,637	384,966	05 04	NOV 30, 1974	
3,654	384,919	05 05	NOV 30, 1974	
3,671	384,872	05 06	NOV 30, 1974	
3,687	384,919	05 07	NOV 30, 1974	
3,704	384,919	05 08	NOV 30, 1974	
3,721	384,919	05 09	NOV 30, 1974	
3,738	384,919	05 10	NOV 30, 1974	
3,754	384,825	05 11	NOV 30, 1974	
3,771	412,075	05 12	NOV 30, 1974	
3,788	426,204	05 13	NOV 30, 1974	
3,804	395,128	05 14	NOV 30, 1974	
3,821	385,299	05 15	NOV 30, 1974	
3,838	339,855	05 16	NOV 30, 1974	
3,854	317,043	05 17	NOV 30, 1974	
3,871	302,562	05 18	NOV 30, 1974	
3,888	300,920	05 19	NOV 30, 1974	
3,904	307,867	05 20	NOV 30, 1974	
3,921	321,432	05 21	NOV 30, 1974	
3,938	328,825	05 22	NOV 30, 1974	
3,954	335,208	05 23	NOV 30, 1974	
3,971	340,653	05 24	NOV 30, 1974	
3,988	346,145	05 25	NOV 30, 1974	START JETTING

JOB NUMBER
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95 RUN NO. 12 DST = 15

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SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
4.004	350,628	05 26	NOV 30, 1974	
4.021	354,667	05 27	NOV 30, 1974	
4.038	358,305	05 28	NOV 30, 1974	
4.055	334,872	05 29	NOV 30, 1974	
4.071	397,804	05 30	NOV 30, 1974	
4.088	373,818	05 31	NOV 30, 1974	
4.105	352,411	05 32	NOV 30, 1974	
4.121	343,681	05 33	NOV 30, 1974	
4.138	328,027	05 34	NOV 30, 1974	
4.155	325,351	05 35	NOV 30, 1974	
4.171	323,873	05 36	NOV 30, 1974	
4.188	323,403	05 37	NOV 30, 1974	
4.205	323,216	05 38	NOV 30, 1974	
4.221	323,004	05 39	NOV 30, 1974	
4.238	322,863	05 40	NOV 30, 1974	
4.255	322,863	05 41	NOV 30, 1974	
4.271	322,840	05 42	NOV 30, 1974	
4.288	322,746	05 43	NOV 30, 1974	
4.305	322,676	05 44	NOV 30, 1974	
4.322	322,746	05 45	NOV 30, 1974	
4.338	322,652	05 46	NOV 30, 1974	
4.355	322,535	05 47	NOV 30, 1974	
4.372	322,418	05 48	NOV 30, 1974	
4.388	322,418	05 49	NOV 30, 1974	
4.405	322,418	05 50	NOV 30, 1974	
4.422	322,371	05 51	NOV 30, 1974	
4.438	322,347	05 52	NOV 30, 1974	
4.455	322,277	05 53	NOV 30, 1974	
4.472	322,112	05 54	NOV 30, 1974	
4.488	322,066	05 55	NOV 30, 1974	
4.505	322,112	05 56	NOV 30, 1974	
4.522	322,136	05 57	NOV 30, 1974	
4.538	322,183	05 58	NOV 30, 1974	
4.555	322,136	05 59	NOV 30, 1974	
4.572	322,159	06 00	NOV 30, 1974	
4.588	322,183	06 01	NOV 30, 1974	
4.605	322,277	06 02	NOV 30, 1974	
4.622	322,300	06 03	NOV 30, 1974	
4.639	322,277	06 04	NOV 30, 1974	
4.655	322,347	06 05	NOV 30, 1974	

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NOVEMBER 29, 1974

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95 RUN NO, 12 DST = 15

DATE OF RUN
DECEMBER 12, 1974

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
4,672	322,136	06 06	NOV 30, 1974	
4,689	322,253	06 07	NOV 30, 1974	
4,705	322,159	06 08	NOV 30, 1974	
4,722	322,277	06 09	NOV 30, 1974	
4,739	322,136	06 10	NOV 30, 1974	
4,755	322,136	06 11	NOV 30, 1974	
4,772	322,159	06 12	NOV 30, 1974	
4,789	322,183	06 13	NOV 30, 1974	
4,805	322,066	06 14	NOV 30, 1974	
4,822	321,948	06 15	NOV 30, 1974	
4,839	321,760	06 16	NOV 30, 1974	
4,855	321,995	06 17	NOV 30, 1974	
4,872	322,206	06 18	NOV 30, 1974	
4,889	322,535	06 19	NOV 30, 1974	
4,906	322,629	06 20	NOV 30, 1974	
4,922	322,676	06 21	NOV 30, 1974	
4,939	322,652	06 22	NOV 30, 1974	
4,956	322,629	06 23	NOV 30, 1974	
4,972	322,652	06 24	NOV 30, 1974	
4,989	322,793	06 25	NOV 30, 1974	STOP JETTING
5,006	322,558	06 26	NOV 30, 1974	
5,022	322,464	06 27	NOV 30, 1974	
5,039	322,394	06 28	NOV 30, 1974	
5,056	322,277	06 29	NOV 30, 1974	
5,072	322,371	06 30	NOV 30, 1974	
5,089	302,093	06 31	NOV 30, 1974	
5,106	299,183	06 32	NOV 30, 1974	
5,122	296,294	06 33	NOV 30, 1974	
5,139	300,004	06 34	NOV 30, 1974	
5,156	310,143	06 35	NOV 30, 1974	
5,172	317,559	06 36	NOV 30, 1974	
5,189	325,210	06 37	NOV 30, 1974	
5,206	331,829	06 38	NOV 30, 1974	
5,223	337,579	06 39	NOV 30, 1974	
5,239	343,165	06 40	NOV 30, 1974	
5,256	348,257	06 41	NOV 30, 1974	
5,273	352,693	06 42	NOV 30, 1974	
5,289	356,145	06 43	NOV 30, 1974	
5,306	359,455	06 44	NOV 30, 1974	
5,323	362,646	06 45	NOV 30, 1974	

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5,339	365,087	06 46	NOV 30, 1974	
5,356	367,176	06 47	NOV 30, 1974	
5,373	369,523	06 48	NOV 30, 1974	
5,389	371,142	06 49	NOV 30, 1974	
5,406	372,574	06 50	NOV 30, 1974	
5,423	373,419	06 51	NOV 30, 1974	
5,439	375,203	06 52	NOV 30, 1974	
5,456	375,860	06 53	NOV 30, 1974	
5,473	377,104	06 54	NOV 30, 1974	
5,489	377,596	06 55	NOV 30, 1974	
5,506	377,925	06 56	NOV 30, 1974	
5,523	378,441	06 57	NOV 30, 1974	
5,540	379,052	06 58	NOV 30, 1974	
5,556	379,544	06 59	NOV 30, 1974	
5,573	380,108	07 00	NOV 30, 1974	
5,590	380,577	07 01	NOV 30, 1974	
5,606	380,976	07 02	NOV 30, 1974	
5,623	381,328	07 03	NOV 30, 1974	
5,640	381,633	07 04	NOV 30, 1974	
5,656	381,368	07 05	NOV 30, 1974	
5,673	382,126	07 06	NOV 30, 1974	
5,690	382,314	07 07	NOV 30, 1974	
5,706	382,478	07 08	NOV 30, 1974	
5,723	382,642	07 09	NOV 30, 1974	
5,740	382,807	07 10	NOV 30, 1974	
5,756	382,901	07 11	NOV 30, 1974	
5,773	383,041	07 12	NOV 30, 1974	
5,790	383,135	07 13	NOV 30, 1974	
5,807	383,229	07 14	NOV 30, 1974	
5,823	383,323	07 15	NOV 30, 1974	
5,840	383,393	07 16	NOV 30, 1974	
5,857	383,464	07 17	NOV 30, 1974	
5,873	383,534	07 18	NOV 30, 1974	
5,890	383,605	07 19	NOV 30, 1974	
5,907	383,652	07 20	NOV 30, 1974	
5,923	383,722	07 21	NOV 30, 1974	
5,940	383,769	07 22	NOV 30, 1974	
5,957	383,816	07 23	NOV 30, 1974	
5,973	383,839	07 24	NOV 30, 1974	
5,990	383,886	07 25	NOV 30, 1974	

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6,007	383,910	07 26	NOV 30, 1974	
6,023	383,980	07 27	NOV 30, 1974	
6,040	384,004	07 28	NOV 30, 1974	
6,057	384,027	07 29	NOV 30, 1974	
6,073	384,027	07 30	NOV 30, 1974	
6,090	384,027	07 31	NOV 30, 1974	
6,107	384,098	07 32	NOV 30, 1974	
6,124	384,121	07 33	NOV 30, 1974	
6,140	384,121	07 34	NOV 30, 1974	
6,157	384,121	07 35	NOV 30, 1974	
6,174	384,191	07 36	NOV 30, 1974	
6,190	384,191	07 37	NOV 30, 1974	
6,207	384,215	07 38	NOV 30, 1974	
6,224	384,262	07 39	NOV 30, 1974	
6,240	384,262	07 40	NOV 30, 1974	
6,257	384,285	07 41	NOV 30, 1974	
6,274	384,309	07 42	NOV 30, 1974	
6,290	384,309	07 43	NOV 30, 1974	
6,307	384,356	07 44	NOV 30, 1974	
6,324	384,356	07 45	NOV 30, 1974	
6,340	384,403	07 46	NOV 30, 1974	
6,357	384,403	07 47	NOV 30, 1974	
6,374	384,403	07 48	NOV 30, 1974	
6,391	384,426	07 49	NOV 30, 1974	
6,407	384,450	07 50	NOV 30, 1974	
6,424	384,496	07 51	NOV 30, 1974	
6,441	384,496	07 52	NOV 30, 1974	
6,457	384,520	07 53	NOV 30, 1974	
6,474	384,520	07 54	NOV 30, 1974	
6,491	384,520	07 55	NOV 30, 1974	
6,507	384,543	07 56	NOV 30, 1974	
6,524	384,590	07 57	NOV 30, 1974	
6,541	384,637	07 58	NOV 30, 1974	
6,557	384,590	07 59	NOV 30, 1974	
6,574	384,614	08 00	NOV 30, 1974	
6,591	384,637	08 01	NOV 30, 1974	
6,607	384,684	08 02	NOV 30, 1974	
6,624	384,684	08 03	NOV 30, 1974	
6,641	384,684	08 04	NOV 30, 1974	
6,657	384,708	08 05	NOV 30, 1974	

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6,674	384,731	08 06	NOV 30, 1974	
6,691	384,731	08 07	NOV 30, 1974	
6,708	385,248	08 08	NOV 30, 1974	
6,724	385,130	08 09	NOV 30, 1974	
6,741	385,083	08 10	NOV 30, 1974	
6,758	385,036	08 11	NOV 30, 1974	
6,774	384,989	08 12	NOV 30, 1974	
6,791	384,989	08 13	NOV 30, 1974	
6,808	384,966	08 14	NOV 30, 1974	
6,824	384,966	08 15	NOV 30, 1974	
6,841	384,942	08 16	NOV 30, 1974	
6,858	384,942	08 17	NOV 30, 1974	
6,874	384,919	08 18	NOV 30, 1974	
6,891	384,942	08 19	NOV 30, 1974	
6,908	384,942	08 20	NOV 30, 1974	
6,924	384,942	08 21	NOV 30, 1974	
6,941	384,942	08 22	NOV 30, 1974	
6,958	384,942	08 23	NOV 30, 1974	
6,974	384,966	08 24	NOV 30, 1974	
6,991	384,942	08 25	NOV 30, 1974	
7,008	384,966	08 26	NOV 30, 1974	
7,025	384,989	08 27	NOV 30, 1974	
7,041	384,989	08 28	NOV 30, 1974	
7,058	385,013	08 29	NOV 30, 1974	
7,075	385,013	08 30	NOV 30, 1974	
7,091	385,036	08 31	NOV 30, 1974	
7,108	385,036	08 32	NOV 30, 1974	
7,125	385,036	08 33	NOV 30, 1974	
7,141	385,060	08 34	NOV 30, 1974	
7,158	385,060	08 35	NOV 30, 1974	
7,175	385,060	08 36	NOV 30, 1974	
7,191	385,060	08 37	NOV 30, 1974	
7,208	385,060	08 38	NOV 30, 1974	
7,225	385,083	08 39	NOV 30, 1974	
7,241	385,083	08 40	NOV 30, 1974	
7,258	385,083	08 41	NOV 30, 1974	
7,275	385,083	08 42	NOV 30, 1974	
7,292	385,130	08 43	NOV 30, 1974	
7,308	385,130	08 44	NOV 30, 1974	
7,325	385,130	08 45	NOV 30, 1974	

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7,342	385,154	08 46	NOV 30,1974	
7,358	385,130	08 47	NOV 30,1974	
7,375	385,154	08 48	NOV 30,1974	
7,392	385,177	08 49	NOV 30,1974	
7,408	385,177	08 50	NOV 30,1974	
7,425	385,201	08 52	NOV 30,1974	
7,442	385,201	08 53	NOV 30,1974	
7,458	385,201	08 54	NOV 30,1974	
7,475	385,201	08 55	NOV 30,1974	
7,492	385,224	08 56	NOV 30,1974	
7,508	385,224	08 57	NOV 30,1974	
7,525	385,271	08 58	NOV 30,1974	
7,542	385,271	08 59	NOV 30,1974	
7,558	385,271	09 00	NOV 30,1974	
7,575	385,271	09 01	NOV 30,1974	
7,592	385,271	09 02	NOV 30,1974	
7,609	385,271	09 03	NOV 30,1974	
7,625	385,271	09 04	NOV 30,1974	
7,642	385,318	09 05	NOV 30,1974	
7,659	385,318	09 06	NOV 30,1974	
7,675	385,318	09 07	NOV 30,1974	
7,692	385,318	09 08	NOV 30,1974	
7,709	385,341	09 09	NOV 30,1974	
7,725	385,341	09 10	NOV 30,1974	
7,742	385,341	09 11	NOV 30,1974	
7,759	385,341	09 12	NOV 30,1974	
7,775	385,365	09 13	NOV 30,1974	
7,792	385,365	09 14	NOV 30,1974	
7,809	385,388	09 15	NOV 30,1974	
7,825	385,388	09 16	NOV 30,1974	
7,842	385,388	09 17	NOV 30,1974	
7,859	385,388	09 18	NOV 30,1974	
7,876	385,412	09 19	NOV 30,1974	
7,892	385,412	09 20	NOV 30,1974	
7,909	385,412	09 21	NOV 30,1974	
7,926	385,412	09 22	NOV 30,1974	
7,942	385,412	09 23	NOV 30,1974	
7,959	385,435	09 24	NOV 30,1974	
7,976	385,435	09 25	NOV 30,1974	
7,992	385,435	09 26	NOV 30,1974	

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8,009	385,482	09 27	NOV 30,1974	
8,026	385,482	09 28	NOV 30,1974	
8,042	385,482	09 29	NOV 30,1974	
8,059	385,482	09 30	NOV 30,1974	
8,076	385,482	09 31	NOV 30,1974	
8,092	385,482	09 32	NOV 30,1974	
8,109	385,482	09 33	NOV 30,1974	
8,126	385,506	09 34	NOV 30,1974	
8,142	385,506	09 35	NOV 30,1974	
8,159	385,506	09 36	NOV 30,1974	
8,176	385,553	09 37	NOV 30,1974	
8,193	385,529	09 38	NOV 30,1974	
8,209	385,529	09 39	NOV 30,1974	
8,226	385,529	09 40	NOV 30,1974	
8,243	385,529	09 41	NOV 30,1974	
8,259	385,529	09 42	NOV 30,1974	
8,276	385,529	09 43	NOV 30,1974	
8,293	385,553	09 44	NOV 30,1974	
8,309	385,553	09 45	NOV 30,1974	
8,326	385,553	09 46	NOV 30,1974	
8,343	385,553	09 47	NOV 30,1974	
8,359	385,553	09 48	NOV 30,1974	
8,376	385,553	09 49	NOV 30,1974	
8,393	385,600	09 50	NOV 30,1974	
8,409	385,576	09 51	NOV 30,1974	
8,426	385,576	09 52	NOV 30,1974	
8,443	385,623	09 53	NOV 30,1974	
8,459	385,623	09 54	NOV 30,1974	
8,476	385,623	09 55	NOV 30,1974	
8,493	385,623	09 56	NOV 30,1974	
8,510	385,623	09 57	NOV 30,1974	
8,526	385,646	09 58	NOV 30,1974	
8,543	385,646	09 59	NOV 30,1974	
8,560	385,646	10 00	NOV 30,1974	
8,576	385,646	10 01	NOV 30,1974	
8,593	385,646	10 02	NOV 30,1974	
8,610	385,646	10 03	NOV 30,1974	
8,626	385,670	10 04	NOV 30,1974	
8,643	385,670	10 05	NOV 30,1974	
8,660	385,670	10 06	NOV 30,1974	

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8,676	385,670	10 07	NOV 30,1974	
8,693	385,693	10 08	NOV 30,1974	
8,710	385,693	10 09	NOV 30,1974	
8,726	385,693	10 10	NOV 30,1974	
8,743	385,670	10 11	NOV 30,1974	
8,760	385,717	10 12	NOV 30,1974	
8,777	385,717	10 13	NOV 30,1974	
8,793	385,717	10 14	NOV 30,1974	
8,810	385,717	10 15	NOV 30,1974	
8,827	385,717	10 16	NOV 30,1974	
8,843	385,717	10 17	NOV 30,1974	
8,860	385,717	10 18	NOV 30,1974	
8,877	385,717	10 19	NOV 30,1974	
8,893	385,717	10 20	NOV 30,1974	
8,910	385,740	10 21	NOV 30,1974	
8,927	385,740	10 22	NOV 30,1974	
8,943	385,740	10 23	NOV 30,1974	
8,960	385,740	10 24	NOV 30,1974	
8,977	385,764	10 25	NOV 30,1974	
8,993	385,764	10 26	NOV 30,1974	
9,010	385,764	10 27	NOV 30,1974	
9,027	385,764	10 28	NOV 30,1974	
9,043	385,811	10 29	NOV 30,1974	
9,060	385,811	10 30	NOV 30,1974	
9,077	385,811	10 31	NOV 30,1974	
9,094	385,811	10 32	NOV 30,1974	
9,110	385,811	10 33	NOV 30,1974	
9,127	385,811	10 34	NOV 30,1974	
9,144	385,811	10 35	NOV 30,1974	
9,160	385,811	10 36	NOV 30,1974	
9,177	385,834	10 37	NOV 30,1974	
9,194	385,834	10 38	NOV 30,1974	
9,210	385,834	10 39	NOV 30,1974	
9,227	385,834	10 40	NOV 30,1974	
9,244	385,858	10 41	NOV 30,1974	
9,260	385,858	10 42	NOV 30,1974	
9,277	385,858	10 43	NOV 30,1974	
9,294	385,858	10 44	NOV 30,1974	
9,310	385,858	10 45	NOV 30,1974	
9,327	385,858	10 46	NOV 30,1974	

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9.344	385.358	10 47	NOV 30, 1974	
9.361	385.381	10 48	NOV 30, 1974	
9.377	385.381	10 49	NOV 30, 1974	
9.394	385.381	10 50	NOV 30, 1974	
9.411	385.381	10 51	NOV 30, 1974	
9.427	385.905	10 52	NOV 30, 1974	
9.444	385.905	10 53	NOV 30, 1974	
9.461	385.905	10 54	NOV 30, 1974	
9.477	385.905	10 55	NOV 30, 1974	
9.494	385.905	10 56	NOV 30, 1974	
9.511	385.928	10 57	NOV 30, 1974	
9.527	385.928	10 58	NOV 30, 1974	
9.544	385.928	10 59	NOV 30, 1974	
9.561	385.928	11 00	NOV 30, 1974	
9.577	385.928	11 01	NOV 30, 1974	
9.594	385.928	11 02	NOV 30, 1974	
9.611	385.928	11 03	NOV 30, 1974	
9.627	385.928	11 04	NOV 30, 1974	
9.644	385.952	11 05	NOV 30, 1974	
9.661	385.952	11 06	NOV 30, 1974	
9.678	385.952	11 07	NOV 30, 1974	
9.694	385.952	11 08	NOV 30, 1974	
9.711	385.975	11 09	NOV 30, 1974	
9.728	385.975	11 10	NOV 30, 1974	
9.744	385.999	11 11	NOV 30, 1974	
9.761	385.999	11 12	NOV 30, 1974	
9.778	386.022	11 13	NOV 30, 1974	
9.794	386.022	11 14	NOV 30, 1974	
9.811	386.022	11 15	NOV 30, 1974	
9.828	386.022	11 16	NOV 30, 1974	
9.844	386.022	11 17	NOV 30, 1974	
9.861	386.022	11 18	NOV 30, 1974	
9.878	386.022	11 19	NOV 30, 1974	
9.894	386.022	11 20	NOV 30, 1974	
9.911	386.022	11 21	NOV 30, 1974	
9.928	385.975	11 22	NOV 30, 1974	
9.944	385.975	11 23	NOV 30, 1974	
9.961	385.975	11 24	NOV 30, 1974	
9.978	386.022	11 25	NOV 30, 1974	
9.995	386.022	11 26	NOV 30, 1974	

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10,011	386,022	11 27	NOV 30, 1974	
10,023	386,022	11 28	NOV 30, 1974	
10,045	386,045	11 29	NOV 30, 1974	
10,061	386,045	11 30	NOV 30, 1974	
10,078	386,045	11 31	NOV 30, 1974	
10,095	386,045	11 32	NOV 30, 1974	
10,111	386,069	11 33	NOV 30, 1974	
10,123	386,069	11 34	NOV 30, 1974	
10,145	386,069	11 35	NOV 30, 1974	
10,161	386,069	11 36	NOV 30, 1974	
10,178	386,092	11 37	NOV 30, 1974	
10,195	386,069	11 38	NOV 30, 1974	
10,211	386,069	11 39	NOV 30, 1974	
10,223	386,092	11 40	NOV 30, 1974	
10,245	386,092	11 41	NOV 30, 1974	
10,262	386,092	11 42	NOV 30, 1974	
10,273	386,092	11 43	NOV 30, 1974	
10,295	386,116	11 44	NOV 30, 1974	
10,312	386,116	11 45	NOV 30, 1974	
10,328	386,116	11 46	NOV 30, 1974	
10,345	386,116	11 47	NOV 30, 1974	
10,362	386,139	11 48	NOV 30, 1974	
10,378	386,139	11 49	NOV 30, 1974	
10,395	386,139	11 50	NOV 30, 1974	
10,412	386,139	11 51	NOV 30, 1974	
10,428	386,139	11 52	NOV 30, 1974	
10,445	386,163	11 53	NOV 30, 1974	
10,462	386,163	11 54	NOV 30, 1974	
10,478	386,163	11 55	NOV 30, 1974	
10,495	386,163	11 56	NOV 30, 1974	
10,512	386,163	11 57	NOV 30, 1974	
10,528	386,163	11 58	NOV 30, 1974	
10,545	386,139	11 59	NOV 30, 1974	
10,562	386,139	12 00	NOV 30, 1974	
10,579	386,139	12 01	NOV 30, 1974	
10,595	386,139	12 02	NOV 30, 1974	
10,612	386,163	12 03	NOV 30, 1974	
10,629	386,163	12 04	NOV 30, 1974	
10,645	386,163	12 05	NOV 30, 1974	
10,662	386,163	12 06	NOV 30, 1974	

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10,679	386,163	12 07	NOV 30, 1974	
10,695	386,163	12 08	NOV 30, 1974	
10,712	386,163	12 09	NOV 30, 1974	
10,729	386,210	12 10	NOV 30, 1974	
10,745	386,210	12 11	NOV 30, 1974	
10,762	386,210	12 12	NOV 30, 1974	
10,779	386,210	12 13	NOV 30, 1974	
10,795	386,210	12 14	NOV 30, 1974	
10,812	386,210	12 15	NOV 30, 1974	
10,829	386,210	12 16	NOV 30, 1974	
10,846	386,210	12 17	NOV 30, 1974	
10,862	386,210	12 18	NOV 30, 1974	
10,879	386,210	12 19	NOV 30, 1974	
10,896	386,210	12 20	NOV 30, 1974	
10,912	386,233	12 21	NOV 30, 1974	
10,929	386,233	12 22	NOV 30, 1974	
10,946	386,233	12 23	NOV 30, 1974	
10,962	386,233	12 24	NOV 30, 1974	
10,979	386,233	12 25	NOV 30, 1974	
10,996	386,257	12 26	NOV 30, 1974	
11,012	386,257	12 27	NOV 30, 1974	
11,029	386,257	12 28	NOV 30, 1974	
11,046	386,257	12 29	NOV 30, 1974	
11,062	386,257	12 30	NOV 30, 1974	
11,079	386,280	12 31	NOV 30, 1974	
11,096	386,280	12 32	NOV 30, 1974	
11,112	386,280	12 33	NOV 30, 1974	
11,129	386,304	12 34	NOV 30, 1974	
11,146	386,304	12 35	NOV 30, 1974	
11,163	386,304	12 36	NOV 30, 1974	
11,179	386,304	12 37	NOV 30, 1974	
11,196	386,304	12 38	NOV 30, 1974	
11,213	386,304	12 39	NOV 30, 1974	
11,229	386,304	12 40	NOV 30, 1974	
11,246	386,304	12 41	NOV 30, 1974	
11,263	386,304	12 42	NOV 30, 1974	
11,279	386,304	12 43	NOV 30, 1974	
11,296	386,304	12 44	NOV 30, 1974	
11,313	386,304	12 45	NOV 30, 1974	
11,329	386,304	12 46	NOV 30, 1974	

JOB NUMBER
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DATE OF J
NOVEMBER 29, 19

GAUGE/RUN NUMBER
95 RUN NO, 12 DST = 15

DATE OF R
- DECEMBER 12, 19

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
11,346	386,304	12 47	NOV 30,1974	
11,363	386,304	12 48	NOV 30,1974	
11,379	386,304	12 49	NOV 30,1974	
11,396	386,304	12 50	NOV 30,1974	
11,413	386,304	12 51	NOV 30,1974	
11,429	386,304	12 52	NOV 30,1974	
11,446	386,327	12 53	NOV 30,1974	
11,463	386,327	12 54	NOV 30,1974	
11,480	386,327	12 55	NOV 30,1974	
11,496	386,327	12 56	NOV 30,1974	
11,513	386,351	12 57	NOV 30,1974	
11,530	386,351	12 58	NOV 30,1974	
11,546	386,351	12 59	NOV 30,1974	
11,563	386,351	13 00	NOV 30,1974	
11,580	386,351	13 01	NOV 30,1974	
11,596	386,351	13 02	NOV 30,1974	
11,613	386,351	13 03	NOV 30,1974	3 G/M INSIDE
11,630	386,351	13 04	NOV 30,1974	DRILL PIPE
11,646	386,374	13 05	NOV 30,1974	
11,663	387,430	13 06	NOV 30,1974	
11,680	390,739	13 07	NOV 30,1974	
11,696	393,344	13 08	NOV 30,1974	
11,713	395,551	13 09	NOV 30,1974	
11,730	397,358	13 10	NOV 30,1974	
11,747	398,954	13 11	NOV 30,1974	
11,763	400,338	13 12	NOV 30,1974	
11,780	401,418	13 13	NOV 30,1974	
11,797	402,451	13 14	NOV 30,1974	
11,813	403,272	13 15	NOV 30,1974	
11,830	404,047	13 16	NOV 30,1974	
11,847	404,586	13 17	NOV 30,1974	
11,863	405,103	13 18	NOV 30,1974	
11,880	405,519	13 19	NOV 30,1974	
11,897	406,088	13 20	NOV 30,1974	
11,913	406,487	13 21	NOV 30,1974	
11,930	406,863	13 22	NOV 30,1974	
11,947	407,238	13 23	NOV 30,1974	
11,963	407,590	13 24	NOV 30,1974	
11,980	409,306	13 25	NOV 30,1974	
11,997	411,817	13 26	NOV 30,1974	5 G/M INSIDE

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NOVEMBER 29, 1974

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95 RUN NO, 12 DST = 15

DATE OF RUN
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SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
12,013	414,000	13 27	NOV 30, 1974	DRILL PIPE
12,030	415,924	13 28	NOV 30, 1974	
12,047	417,708	13 29	NOV 30, 1974	
12,064	419,210	13 30	NOV 30, 1974	
12,080	420,595	13 31	NOV 30, 1974	
12,097	421,909	13 32	NOV 30, 1974	
12,114	423,059	13 33	NOV 30, 1974	
12,130	424,115	13 34	NOV 30, 1974	
12,147	424,866	13 35	NOV 30, 1974	
12,164	425,758	13 36	NOV 30, 1974	
12,180	426,509	13 37	NOV 30, 1974	
12,197	427,119	13 38	NOV 30, 1974	
12,214	427,800	13 39	NOV 30, 1974	
12,230	428,242	13 40	NOV 30, 1974	
12,247	428,786	13 41	NOV 30, 1974	
12,264	429,208	13 42	NOV 30, 1974	
12,280	429,677	13 43	NOV 30, 1974	
12,297	430,100	13 44	NOV 30, 1974	
12,314	430,616	13 45	NOV 30, 1974	10 G/M INSIDE
12,331	435,780	13 46	NOV 30, 1974	DRILL PIPE
12,347	443,266	13 47	NOV 30, 1974	
12,364	449,251	13 48	NOV 30, 1974	
12,381	455,423	13 49	NOV 30, 1974	
12,397	460,868	13 50	NOV 30, 1974	
12,414	465,541	13 51	NOV 30, 1974	
12,431	470,211	13 52	NOV 30, 1974	
12,447	474,999	13 53	NOV 30, 1974	
12,464	479,106	13 54	NOV 30, 1974	
12,481	483,026	13 55	NOV 30, 1974	
12,497	486,875	13 56	NOV 30, 1974	
12,514	490,419	13 57	NOV 30, 1974	
12,531	493,939	13 58	NOV 30, 1974	
12,547	497,600	13 59	NOV 30, 1974	
12,564	501,543	14 00	NOV 30, 1974	
12,581	505,040	14 01	NOV 30, 1974	
12,597	508,326	14 02	NOV 30, 1974	
12,614	513,020	14 03	NOV 30, 1974	
12,631	516,728	14 04	NOV 30, 1974	
12,648	520,368	14 05	NOV 30, 1974	
12,664	524,029	14 06	NOV 30, 1974	

JOB NUMBER
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DATE OF J
NOVEMBER 29, 19

GAUGE/RUN NUMBER
95 RUN NO, 12 DST = 15

DATE OF R
DECEMBER 12, 19

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
12,681	527,456	14 07	NOV 30,1974	
12,698	530,835	14 08	NOV 30,1974	20 GPM INSIDE
12,714	547,311	14 09	NOV 30,1974	DRILL PIPE
12,731	549,728	14 10	NOV 30,1974	OVERFLOW
12,748	548,719	14 11	NOV 30,1974	
12,764	551,395	14 12	NOV 30,1974	
12,781	552,451	14 13	NOV 30,1974	
12,798	553,155	14 14	NOV 30,1974	
12,814	553,906	14 15	NOV 30,1974	
12,831	554,516	14 16	NOV 30,1974	
12,848	555,056	14 17	NOV 30,1974	
12,864	555,525	14 18	NOV 30,1974	
12,881	556,041	14 19	NOV 30,1974	
12,898	556,534	14 20	NOV 30,1974	
12,914	556,980	14 21	NOV 30,1974	
12,931	557,426	14 22	NOV 30,1974	
12,948	557,872	14 23	NOV 30,1974	
12,965	558,295	14 24	NOV 30,1974	
12,981	558,623	14 25	NOV 30,1974	
12,998	559,022	14 26	NOV 30,1974	
13,015	559,304	14 27	NOV 30,1974	
13,031	559,491	14 28	NOV 30,1974	
13,048	559,116	14 29	NOV 30,1974	DECLINE
13,065	546,701	14 30	NOV 30,1974	
13,081	538,322	14 31	NOV 30,1974	
13,098	530,249	14 32	NOV 30,1974	
13,115	522,480	14 33	NOV 30,1974	
13,131	515,202	14 34	NOV 30,1974	
13,148	507,903	14 35	NOV 30,1974	
13,165	500,816	14 36	NOV 30,1974	
13,181	494,103	14 37	NOV 30,1974	
13,198	487,860	14 38	NOV 30,1974	
13,215	482,134	14 39	NOV 30,1974	
13,232	476,572	14 40	NOV 30,1974	
13,248	471,197	14 41	NOV 30,1974	
13,265	466,175	14 42	NOV 30,1974	
13,282	461,150	14 43	NOV 30,1974	
13,298	456,456	14 44	NOV 30,1974	
13,315	452,983	14 45	NOV 30,1974	
13,332	448,476	14 46	NOV 30,1974	

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DATE OF JO
NOVEMBER 29, 197

GAUGE/RUN NUMBER
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DATE OF RU
DECEMBER 12, 197

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
13,348	444,182	14 47	NOV 30,1974	
13,365	440,168	14 48	NOV 30,1974	
13,382	436,319	14 49	NOV 30,1974	
13,398	432,822	14 50	NOV 30,1974	
13,415	429,560	14 51	NOV 30,1974	
13,432	426,462	14 52	NOV 30,1974	
13,448	423,411	14 53	NOV 30,1974	
13,465	420,595	14 54	NOV 30,1974	
13,482	417,943	14 55	NOV 30,1974	
13,498	415,432	14 56	NOV 30,1974	
13,515	413,155	14 57	NOV 30,1974	
13,532	410,902	14 58	NOV 30,1974	
13,549	408,931	14 59	NOV 30,1974	
13,565	407,051	15 00	NOV 30,1974	END DECLINE
13,582	405,361	15 01	NOV 30,1974	
13,599	403,788	15 02	NOV 30,1974	
13,615	402,310	15 03	NOV 30,1974	20 G/M ANNULUS
13,632	400,925	15 04	NOV 30,1974	
13,649	399,634	15 05	NOV 30,1974	
13,665	398,414	15 06	NOV 30,1974	
13,682	397,358	15 07	NOV 30,1974	
13,699	396,349	15 08	NOV 30,1974	
13,715	395,527	15 09	NOV 30,1974	
13,732	394,776	15 10	NOV 30,1974	
13,749	394,095	15 11	NOV 30,1974	
13,765	393,344	15 12	NOV 30,1974	
13,782	392,899	15 13	NOV 30,1974	
13,799	392,406	15 14	NOV 30,1974	
13,816	392,007	15 15	NOV 30,1974	
13,832	391,631	15 16	NOV 30,1974	
13,849	391,303	15 17	NOV 30,1974	
13,866	391,021	15 18	NOV 30,1974	40 G/M ANNULUS
13,882	390,739	15 19	NOV 30,1974	
13,899	390,528	15 20	NOV 30,1974	
13,916	390,317	15 21	NOV 30,1974	
13,932	390,176	15 22	NOV 30,1974	
13,949	390,059	15 23	NOV 30,1974	
13,966	389,918	15 24	NOV 30,1974	
13,982	389,871	15 25	NOV 30,1974	
13,999	389,824	15 26	NOV 30,1974	

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95 RUN NO. 12 DST = 15

DATE OF RU
DECEMBER 12, 197

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
14,016	389,801	15 27	NOV 30, 1974	
14,032	389,754	15 28	NOV 30, 1974	
14,049	389,730	15 29	NOV 30, 1974	
14,066	389,754	15 30	NOV 30, 1974	
14,082	389,730	15 31	NOV 30, 1974	
14,099	389,683	15 32	NOV 30, 1974	
14,116	389,683	15 33	NOV 30, 1974	
14,133	389,683	15 34	NOV 30, 1974	
14,149	389,636	15 35	NOV 30, 1974	
14,166	389,636	15 36	NOV 30, 1974	
14,183	389,660	15 37	NOV 30, 1974	
14,199	389,660	15 38	NOV 30, 1974	
14,216	389,660	15 39	NOV 30, 1974	
14,233	389,636	15 40	NOV 30, 1974	
14,249	389,660	15 41	NOV 30, 1974	60 G/M ANNULUS
14,266	389,660	15 42	NOV 30, 1974	
14,283	389,636	15 43	NOV 30, 1974	
14,299	389,613	15 44	NOV 30, 1974	
14,316	389,636	15 45	NOV 30, 1974	
14,333	389,636	15 46	NOV 30, 1974	
14,349	389,683	15 47	NOV 30, 1974	
14,366	389,660	15 48	NOV 30, 1974	
14,383	389,660	15 49	NOV 30, 1974	
14,400	389,660	15 50	NOV 30, 1974	
14,416	389,660	15 51	NOV 30, 1974	
14,433	389,660	15 52	NOV 30, 1974	DECLINE
14,450	389,683	15 53	NOV 30, 1974	
14,466	389,683	15 54	NOV 30, 1974	
14,483	389,660	15 55	NOV 30, 1974	
14,500	389,660	15 56	NOV 30, 1974	
14,516	389,660	15 57	NOV 30, 1974	
14,533	389,660	15 58	NOV 30, 1974	
14,550	389,613	15 59	NOV 30, 1974	
14,566	389,566	16 00	NOV 30, 1974	
14,583	389,542	16 01	NOV 30, 1974	
14,600	389,495	16 02	NOV 30, 1974	
14,616	389,425	16 03	NOV 30, 1974	
14,633	389,378	16 04	NOV 30, 1974	
14,650	389,331	16 05	NOV 30, 1974	
14,666	389,284	16 06	NOV 30, 1974	

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DATE OF JO
NOVEMBER 29, 197

GAUGE/RUN NUMBER
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DATE OF RU
DECEMBER 12, 197

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
14,683	389,237	16 07	NOV 30,1974	
14,700	389,190	16 08	NOV 30,1974	
14,717	389,143	16 09	NOV 30,1974	
14,733	389,143	16 10	NOV 30,1974	
14,750	389,120	16 11	NOV 30,1974	
14,767	389,026	16 12	NOV 30,1974	
14,783	388,979	16 13	NOV 30,1974	
14,800	388,956	16 14	NOV 30,1974	
14,817	388,932	16 15	NOV 30,1974	END FLOW

II B-820

889 POINTS REPORTED THIS RUN

JOB NUMBER
SPG-11210-L

DATE OF JOB
NOVEMBER 29, 1974

GAUGE/RUN NUMBER
95 RUN NO, 12 DST NO, 15

DATE OF RUN
DECEMBER 12, 1974

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0.000	389.190	16 15	NOV 29, 1974	FINAL SHUT-IN
.017	389.190	16 16	NOV 29, 1974	
.033	389.120	16 17	NOV 29, 1974	
.050	389.050	16 18	NOV 29, 1974	
.067	389.003	16 19	NOV 29, 1974	
.083	389.003	16 20	NOV 29, 1974	
.100	388.956	16 21	NOV 29, 1974	
.117	423.998	16 22	NOV 29, 1974	
.133	391.115	16 23	NOV 29, 1974	
.150	389.026	16 24	NOV 29, 1974	
.167	388.721	16 25	NOV 29, 1974	
.183	388.698	16 26	NOV 29, 1974	
.200	388.651	16 27	NOV 29, 1974	
.217	388.604	16 28	NOV 29, 1974	
.233	388.651	16 29	NOV 29, 1974	
.250	388.557	16 30	NOV 29, 1974	END SHUTIN

II B-821

16 POINTS REPORTED THIS RUN

JOHNSTON

Schlumberger

technical
report

II B-822


JOHNSTON
...found a better way
SURFACE INFORMATION

Description (Rate of Flow)	Time	Pressure (P.S.I.G.)	Surface Choke
Opened Tool	0131	-	-
CLOSED FOR INITIAL SHUT-IN	0132	-	-
FINISHED SHUT-IN	0153	-	-
RE-OPENED TOOL	0159	-	-
INJECTED WATER AT 2GAL/MIN	0620	-	-
INCREASED INJECTION TO 5 GAL./MIN.	0633	-	-
INCREASED INJECTION TO 10 GAL./MIN.	0645	-	-
INCREASED INJECTION TO 20 GAL./MIN.	0706	-	-
INCREASED INJECTION TO 30 GAL./MIN.	0720	-	-
INCREASED INJECTION TO 40 GAL./MIN.	0750	-	-
INCREASED INJECTION TO 60 GAL./MIN.	0820	-	-
STOPPED INJECTING	0821	-	-
RE-INJECTED WATER TO 50 GAL./MIN.	0825	-	-
STOPPED INJECTION	0835	-	-
RE-INJECTED WATER TO 10 GAL./MIN.	0850	-	-
STOPPED PIPE INJECTIONS	0910	-	-
CLOSED FOR FINAL SHUT-IN	1029	-	-
PULLED PACKER LOOSE	1041	-	-

Cushion Type

Amount

Pressure

Bottom Choke

Size 3/4"

MUD DATA

Mud Type WATER FOAM Wt. -

Viscosity - Water Loss - C.C.

Resist. of Mud - @ - °F; of Filtrate - @ - °F

Chlaride Content - PPM

EQUIPMENT & HOLE DATA

Type Test M.F.E. OPEN HOLE

Formation Tested GREEN RIVER

Elevation 7036 Ft.

Net Productive Interval 28 Ft.

Estimated Porosity - %

All Depths Measured From -

Total Depth 1336 Ft.

Main Hole/Casing Size 6 3/4"

Rat Hole/Liner Size -

Drill Collar Length 298' I.D. -

Drill Pipe Length 965' I.D. -

Packer Depth(s) 1303 & 1308 Ft.

**MULTI-FLOW EVALUATOR
FLUID SAMPLE DATA**

Sampler Pressure - P.S.I.G. at Surface

Recovery: Cu. Ft. Gos -

cc. Oil -

cc. Water -

cc. Mud -

Tot. Liquid cc. -

Grovity - °API @ - °F.

Gos/Oil Ratio - cu. ft./bbl.

RESISTIVITY

CHLORIDE
CONTENT

Recovery Water - @ - °F. - ppm

Recovery Mud - @ - °F.

Recovery Mud Filtrate - @ - °F. - ppm

Mud Pit Sample - @ - °F.

Mud Pit Sample Filtrate - @ - °F. - ppm

RECOVERY DESCRIPTION

FEET

BARRELS

% OIL

% WATER

% OTHERS

API GRAVITY

RESISTIVITY

CHL. PPM

-						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	

Remarks:

Address 1500 SECURITY LIFE BUILDING, 1600 GLENARM; DENVER, COLORADO 80202Company ATLANTIC - RICHFIELD COMPANYField SORGHUM GULCHWell FEDERAL S.G. #17Location 436'FWL 181'FSL SEC.16-3S-96WTest Interval 1308' TO 1336'Test # 16Date 12-2-74County RIO BLANCO

State

COLORADO

II B-823

Field Report No. 09101 CTechnician TAYLOR (VERNAL)

Test Approved By

MR. L. M. POWERSNo. Reports Requested 15 (14x)

PRESSURE DATA

Instrument No.	AK-1-5009			Field Report No. 09101 C	
Capacity (P.S.I.G.)	1500				
Instrument Depth	1288'				
Instrument Opening	INSIDE				
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.	-				
				TIME DATA	
Initial Hydrostatic Mud	A			Time Given	Time Computed
Initial Shut-in	B			Mins.	Mins.
Initial Flow	C			Mins.	Mins.
				Mins.	Mins.
Final Flow	D			Mins.	Mins.
Final Shut-in	E			Mins.	Mins.
Final Hydrostatic Mud	F			Mins.	Mins.
Remarks:					

*Shut in pressure did not reach static reservoir pressure.

Clock Travel

inches per min.

PRESSURE INCREMENTS

POINTS

Point inutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
1	357.7		3 0	124.5		100	369.4	
2	367.9		4 1	261.7		110	369.8	
3	124.5		2	366.0		120	369.4	
4	261.7		3	366.4		8 126	369.4	
5	367.9		4	366.7		128	369.4	
6	368.3		5	367.1		130	369.8	
7	287.4		6	367.1		132	369.8	
8	369.4		7	367.5		9 134	375.1	
9	375.1		8	367.5		10 136	353.1	
10	353.1		9	367.5		138	359.9	
11	358.8		10	367.5		140	359.9	
12	342.6		20	367.9		141	359.9	
13	372.0		5 22	367.9		144	359.9	
14	376.2		6 27	368.3		146	359.9	
15	388.3		7 28	287.4		148	359.6	
16	376.9		29	364.1		150	359.6	
17	382.2		30	366.4		152	359.6	
18	424.2		31	367.1		154	359.6	
19	402.6		32	367.5		156	359.6	
20	494.1		33	367.5		158	359.6	
21	511.9		34	367.5		160	359.2	
22	378.1		35	367.5		162	359.2	
23	394.3		36	367.5		164	359.2	
24	375.1		37	367.5		166	359.2	
			38	367.5		168	359.2	
			39	367.5		170	359.2	
			40	367.5		172	359.2	
			50	367.9		174	359.2	
			60	368.3	II B-824	176	359.2	
			70	368.3		178	359.2	
			80	368.6		180	359.2	
			90	369.0				

PRESSURE DATA

Instrument No.	AK-1-5009			Field Report No. 09101 C	
Capacity (P.S.I.G.)					
Instrument Depth					
Instrument Opening					
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.					
				TIME DATA	
Initial Hydrostatic Mud	A			Time Given	Time Computed
Initial Shut-in	B			Mins.	Mins.
Initial Flow	C			Mins.	Mins.
				Mins.	Mins.
				Mins.	Mins.
Final Flow	D			Mins.	Mins.
Final Shut-in	E			Mins.	Mins.
Final Hydrostatic Mud	F			Mins.	Mins.
Remarks:					

* Shut in pressure did not reach static reservoir pressure.

Clock Travel

inches per min.

PRESSURE INCREMENTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
182	359.2		310	372.0		372	406.0	
184	359.2		13 316	372.0		374	403.0	
186	359.2		318	375.4		376	402.6	
188	359.2		320	375.4		378	402.6	
190	359.2		322	375.8		19 380	402.6	
192	359.2		324	375.8		382	442.3	
11 194	358.8		326	376.2		384	454.8	
12 195	342.6		328	376.2		386	462.3	
196	358.0		330	376.2		388	468.8	
197	366.7		332	376.2		390	473.7	
198	367.1		334	376.2		392	478.2	
199	367.5		14 336	376.2		394	479.7	
200	367.9		338	381.9		396	482.0	
201	368.3		340	384.9		398	483.5	
202	368.3		342	386.4		400	484.6	
203	368.3		344	387.5		402	487.3	
204	368.3		346	387.9		404	489.9	
205	368.3		15 347	388.3		406	492.6	
210	368.6		348	387.5		20 408	494.1	
215	369.0		350	379.2		410	503.2	
220	369.0		16 351	376.9		412	507.7	
225	369.0		352	379.2		414	510.0	
230	369.4		354	380.7		416	511.1	
235	369.4		356	381.5		418	511.5	
240	369.4		358	382.2		420	512.6	
245	369.4		360	382.2		422	511.9	
250	369.4		17 361	382.2		21 423	511.9	
260	369.4		362	402.6	IIB-825	424	506.9	
270	369.4		364	412.5		426	458.2	
280	369.8		366	418.1		428	405.7	
290	369.8		368	422.7		430	384.1	
300	370.9		18 370	424.2		CONTINUED		



PRESSURE DATA

Instrument No.	AK-1-5009		
Capacity (P.S.I.G.)			
Instrument Depth			
Instrument Opening			
Pressure Gradient P.S.I./Ft.			
Well Temperature °F.			
Initial Hydrostatic Mud	A		
Initial Shut-in	B		
Initial Flow	C		
Final Flow	D		
Final Shut-in	E		
Final Hydrostatic Mud	F		

Field Report No. 09101 C

TIME DATA

Time Given	Time Computed
Mins.	Mins.
Mins.	Mins.
Mins.	Mins.
Mins.	Mins.
Mins.	Mins.
Mins.	Mins.

Remarks:

* Shut in pressure did not reach static reservoir pressure.

Clock Travel _____ inches per min.

PRESSURE INCREMENTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
432	379.6		494	376.2				
434	379.2		496	375.8				
436	378.5		498	375.8				
438	378.1		500	375.8				
22 440	378.1		502	375.8				
442	387.5		504	375.4				
444	392.1		506	375.4				
446	393.6		508	375.4				
448	393.9		510	375.4				
450	393.9		512	375.4				
452	394.3		514	375.4				
454	394.3		516	375.4				
456	394.3		518	375.4				
458	394.3		520	375.4				
23 459	394.3		522	375.4				
460	389.8		524	375.1				
462	382.2		526	375.1				
464	377.7		528	375.1				
466	377.3		530	375.1				
468	377.3		532	375.1				
470	376.9		24 534	375.1				
472	376.9		CLOCK STOPPED AT THIS POINT.					
474	376.6							
476	376.6							
478	376.6							
480	376.6							
482	376.6							
484	376.2							
486	376.2							
488	376.2							
490	376.2							
492	376.2							

II B-826

PRESSURE DATA

Instrument No.	AK-1-5010			Field Report No. 09101 C	
Capacity (P.S.I.G.)	1600				
Instrument Depth	1312'				
Instrument Opening	OUTSIDE				
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.	-				
				TIME DATA	
Initial Hydrostatic Mud	A			Time Given	Time Computed
Initial Shut-in	B			Mins.	Mins.
Initial Flow	C			Mins.	Mins.
				Mins.	Mins.
				Mins.	Mins.
Final Flow	D			Mins.	Mins.
Final Shut-in	E			Mins.	Mins.
Final Hydrostatic Mud	F			Mins.	Mins.

Remarks:

* Shut in pressure did not reach static reservoir pressure.

Clack Travel _____ inches per min.

PRESSURE INCREMENTS

POINTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
1	368.0		3	0	254.3	100	378.4	
2	377.2		4	1	308.0	110	378.8	
3	254.3			2	308.8	120	379.2	
4	308.0			3	376.4	8	126	379.2
5	377.2			4	376.4		128	379.2
6	378.4			5	376.8		130	379.2
7	332.8			6	376.8		132	379.6
8	379.2			7	376.8	9	134	383.2
9	383.2			8	377.2	10	136	368.8
10	368.8			9	377.2		138	371.6
11	370.8			10	377.2		140	372.0
12	361.2			20	377.2		142	372.0
13	381.6		5	22	377.2		144	372.0
14	385.6		6	27	378.4		146	371.6
15	393.2		7	28	332.8		148	371.6
16	386.4			29	358.4		150	371.6
17	390.0			30	369.2		152	371.6
18	417.2			31	374.4		154	371.6
19	405.2			32	375.6		156	371.6
20	469.6			33	376.4		158	371.6
21	482.8			34	376.8		160	371.2
22	388.4			35	376.8		162	371.2
23	402.0			36	377.2		164	371.2
24	385.6			37	377.2		166	371.2
25	385.2			38	377.2		168	371.2
26	374.0			39	377.2		170	371.2
				40	377.2		172	371.2
				50	377.6		174	371.2
				60	378.0	II B-827	176	371.2
				70	378.4		178	371.2
				80	378.4		180	371.2
				90	378.4			

CONTINUED



PRESSURE DATA

Instrument No.	AK-1-5010			Field Report No. 09101 C	
Capacity (P.S.I.G.)					
Instrument Depth					
Instrument Opening					
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.					
				TIME DATA	
Initial Hydrostatic Mud	A			Time Given	Time Computed
Initial Shut-in	B			Mins.	Mins.
Initial Flow	C			Mins.	Mins.
				Mins.	Mins.
				Mins.	Mins.
Final Flow	D			Mins.	Mins.
Final Shut-in	E			Mins.	Mins.
Final Hydrostatic Mud	F				

Remarks.

* Shut in pressure did not reach static reservoir pressure.

Clock Travel

inches per min.

PRESSURE INCREMENTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
182	371.2		310	381.6		372	406.8	
184	371.2		13 316	381.6		374	405.6	
186	371.2		318	383.6		376	405.2	
188	371.2		320	384.4		378	405.2	
190	371.2		322	384.4		19 380	405.2	
192	371.2		324	384.8		382	426.8	
11 194	370.8		326	384.8		384	439.2	
12 195	361.2		328	384.8		386	445.2	
196	370.0		330	384.8		388	450.0	
197	376.0		332	384.8		390	454.0	
198	376.8		334	385.2		392	458.8	
199	376.8		14 336	385.6		394	460.8	
200	377.2		338	388.4		396	461.6	
201	377.6		340	390.8		398	462.8	
202	377.6		342	392.0		400	464.0	
203	378.0		344	392.8		402	466.0	
204	378.0		346	393.2		404	468.4	
205	378.0		15 347	393.2		406	469.2	
210	378.0		348	392.8		20 408	469.6	
215	378.4		350	387.2		410	472.8	
220	378.4		16 351	386.4		412	478.0	
225	378.8		352	387.6		414	480.0	
230	378.8		354	388.8		416	480.8	
235	378.8		356	389.6		418	481.6	
240	379.2		358	389.6		420	482.4	
245	379.6		360	390.0		422	482.8	
250	379.6		17 361	390.0		21 423	482.8	
260	379.6		362	398.8		424	469.6	
270	379.6		364	406.8	II B-828	426	423.2	
280	379.6		366	410.8		428	398.0	
290	379.6		368	415.6		430	391.2	
300	380.4		18 370	417.2				CONTINUED



PRESSURE DATA

Instrument No.	AK-1-5010		
Capacity (P.S.I.G.)			
Instrument Depth			
Instrument Opening			
Pressure Gradient P.S.I./Ft.			
Well Temperature °F.			
Initial Hydrostatic Mud	A		
Initial Shut-in	B		
Initial Flow	C		
Final Flow	D		
Final Shut-in	E		
Final Hydrostatic Mud	F		

Field Report No. 09101 C

TIME DATA

Time Given	Time Computed
Mins.	Mins.
Mins.	Mins.
Mins.	Mins.
Mins.	Mins.
Mins.	Mins.
Mins.	Mins.

Remarks:

*Shut in pressure did not reach static reservoir pressure.

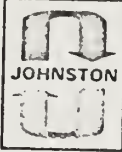
Clock Travel _____ inches per min.

PRESSURE INCREMENTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
432	389.2		494	385.6				
434	388.8		496	385.6				
436	388.4		498	385.6				
438	388.0		500	385.6				
22 440	388.4		502	385.6				
442	397.2		504	385.6				
444	399.6		506	385.6				
446	400.8		508	385.6				
448	401.2		510	385.6				
450	401.6		512	385.6				
452	401.6		514	385.6				
454	402.0		516	385.6				
456	402.0		518	385.6				
458	402.0		520	385.6				
23 459	402.0		522	385.6				
460	399.2		524	385.6				
462	389.2		526	385.6				
464	387.6		528	385.6				
466	387.2		530	395.6				
468	386.8		532	395.6				
470	386.8		534	395.6				
472	386.8		536	395.6				
474	386.4		24 537	385.6				
476	386.4		538	382.0				
478	386.4		540	385.2				
480	386.0		542	385.2				
482	386.0		544	385.2				
484	385.6		546	385.2				
486	385.6		548	385.2				
488	385.6		25 550	385.2				
490	385.6							
492	385.6							

II B-829

5005



JOHNSTON

FIELD REPORT NO.

09101 C

CAPACITY

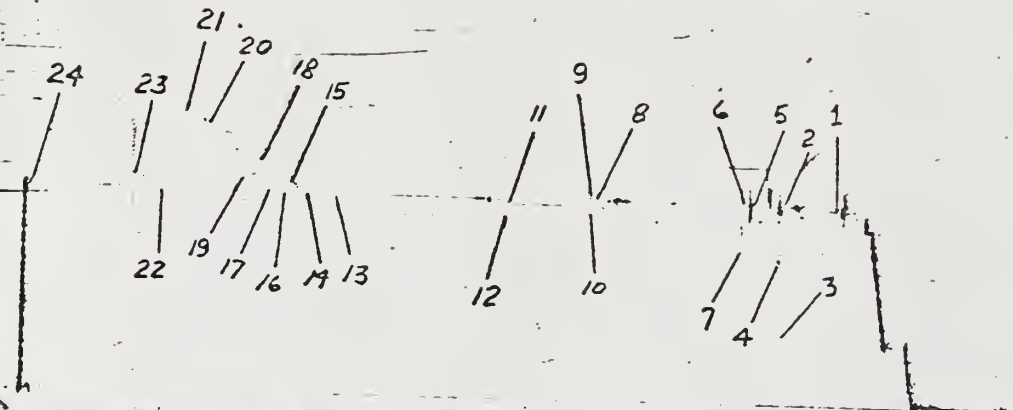
1500#

RECORDER NO.

AK-1-5009

REPORTS REQUESTED

15+



01



JOHNSTON

FIELD REPORT NO.

09101 C

CAPACITY

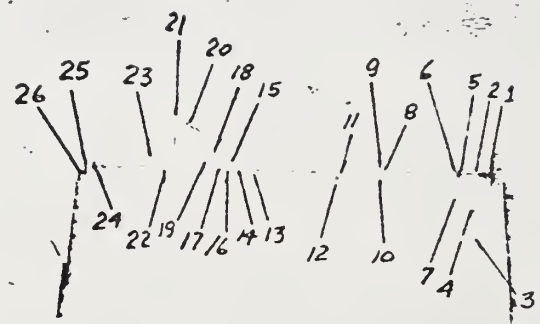
1600#

RECORDER NO.

AK-1-5010

REPORTS REQUESTED

15+



II B-830

SPERRY-SUN



DST 16
1309-1334

POST OFFICE BOX 36363 HOUSTON, TEXAS 77036 (713) 494-3021

J. A. Fouché
President

January 7, 1975

Mr. Frederick R. Scheerer
Atlantic-Richfield Company
1500 Security Life Building
Denver, Colorado 80202

Dear Sir:

Enclosed is the original of our Precision Pressure Gauge Drill Stem Test Job SPG-11210-M performed on your Federal SG-17 Well, Tract C-b, Piceance Creek Basin, Sorghum Gulch, Rio Blanco County, Colorado on December 2, 1974.

Also enclosed are the charts for gauge numbers 145 and 212 with Field Data Sheet.

Distribution is being made according to the attached mailing list.

Thank you for this opportunity to be of service.

Very truly yours,

Carl Kisinger, Jr.
Manager, Pressure Services

CK:jg
Enclosures

PRESSURE GAUGE DRILL STEM TEST SHEET

Job No. SAG-112102 Date 12-2-74 Run 137-16 Office Casper
 Customer Arco Et Al Location Rio Blanco Colo
 State Colorado County/Parish Rio Blanco
 Well Sagham Gulch No. 17 Field Tact Cb

USE MILITARY TIME FOR ALL TIMES

	Time	Date	Time	Date	Time Charged
Arrive: Well/ ~~Deck~~	1. <u>22:30</u>	<u>12/1/74</u>	2. <u>22:30</u>	<u>12/1/74</u>	
Depart: Well/ ~~Deck~~	1. <u>13:30</u>	<u>12/2/74</u>	2. _____	_____	<u>15</u> Hrs.
Gauge Start in Hole	1. <u>23:08</u>	<u>12/1/74</u>	2. <u>23:45</u>	<u>12/1/74</u>	
Gauge Out of Hole	1. <u>12:48</u>	<u>12/2/74</u>	2. <u>12:17</u>	<u>12/2/74</u>	<u>14 1/4</u> Hrs.
No. Trips	<u>1</u>	Miles	<u>90</u>	Total Mileage	<u>90</u>

-----500-----
 Bottom Gauge # 212 Element # 30947 Range 500 lbs Time Mode 1 min
 Top Gauge # 145 Element # 32763 Range 100 lbs Time Mode 1 min

Type Tool _____ Test Depth 1309 - 1336 Zero Point Ground level

Packer Depth 1308 Tail Pipe Depth _____ Top Gauge Depth 1236

Bottom Hole Temp. 94 Atmos. Temp. 6° - 24° Bottom Gauge Depth 1317

TIME INFORMATION

PRESSURE INFORMATION

	Time	Date		
On Bottom	<u>01:03</u>	<u>12/2/74</u>	Initial Hydrostatic Head	<u>1.93</u> X80
Packer Set	<u>01:24</u>	<u>12/2/74</u>	Initial Draw Down	<u>1.62</u>
Initial Open	<u>01:31</u>	<u>12/2/74</u>	Initial Build-Up	<u>1.93</u>
Initial Shut-In	<u>01:32:40</u>	<u>12/2/74</u>	Final Flow	<u>1.81</u> 24
Start Flow	<u>01:59</u>	<u>12/2/74</u>	Final Build-Up	<u>1.94</u>
Final Shut-In	<u>10:27</u>	<u>12/2/74</u>	Final Hydrostatic Head	<u>1.95+</u>
Packer Unseated	<u>10:42</u>	<u>12/2/74</u>	Mod Weight	_____

TIME OF SURFACE NULLS

Top Gauge 2343 2344 2345 Bottom Gauge 2204 2205 2206

Remarks _____

JOB NUMBER
SPG-11210-M

DATE OF JOB
DECEMBER 2, 1974

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

PREPARED FOR
ATLANTIC RICHFIELD COMPANY

WELL NUMBER FEDERAL SG-17
FIELD/LEASE TRACT C-B SORGHUM GULCH
COUNTY/PARISH RIO BLANCO
STATE COLORADO
TYPE OF TEST DRILL STEM
REFERENCE ELEV GROUND LEVEL

ADDITIONAL INFORMATION

USED GAUGE 145 WITH 1000 LB. ELEMENT
GAUGE DEPTH IS 1236 FEET OUTSIDE DP
INSIDE ANNULUS
TEST INTERVAL IS SURFACE TO 1308 FEET
(PACKER DEPTH)
INITIAL HYDROSTATIC IS 359.23 PSI
FINAL HYDROSTATIC IS 356.03 PSI
GROUND LEVEL REFERENCE IS 7036 FEET

II B-833

14 POINTS REPORTED THIS JOB

PAGE 1 OF 2 PAGES

JOB NUMBER
SPG-11210-M

DATE OF JOB
DECEMBER 2, 1974

GAUGE/RUN NUMBER
145 RUN NO. 13 DST NO. 16

DATE OF RUN
DECEMBER 16, 1974

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0.000	359.026	01 32	DEC 02, 1974	SHUT-IN
.016	359.003	01 33	DEC 02, 1974	
.032	359.071	01 34	DEC 02, 1974	
.048	359.071	01 35	DEC 02, 1974	
.064	359.071	01 36	DEC 02, 1974	
.080	359.071	01 37	DEC 02, 1974	
.096	359.094	01 38	DEC 02, 1974	
.113	359.094	01 39	DEC 02, 1974	
.129	359.094	01 40	DEC 02, 1974	
.145	359.094	01 41	DEC 02, 1974	
.161	359.117	01 42	DEC 02, 1974	
.177	359.117	01 43	DEC 02, 1974	
.193	359.117	01 44	DEC 02, 1974	
.209	359.163	01 45	DEC 02, 1974	
.225	359.026	01 46	DEC 02, 1974	
.241	359.140	01 46	DEC 02, 1974	
.257	359.140	01 47	DEC 02, 1974	
.273	359.186	01 48	DEC 02, 1974	
.289	359.231	01 49	DEC 02, 1974	
.305	359.231	01 50	DEC 02, 1974	
.321	359.437	01 51	DEC 02, 1974	
.338	359.437	01 52	DEC 02, 1974	
.354	359.437	01 53	DEC 02, 1974	
.370	359.460	01 54	DEC 02, 1974	
.386	359.460	01 55	DEC 02, 1974	
.402	359.460	01 56	DEC 02, 1974	
.418	359.482	01 57	DEC 02, 1974	
.434	359.482	01 58	DEC 02, 1974	
.450	359.460	01 59	DEC 02, 1974	END SHUT-IN

II B-834

29 POINTS REPORTED THIS RUN

JOB NUMBER
SPG-11210-M

DATE OF JOB
DECEMBER 2, 1974

GAUGE/RUN NUMBER
145 RUN NO, 13 DST NO, 16

DATE OF RUN
DECEMBER 16, 1974

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0.000	359.460	01 59	DEC 02, 1974	START FLOW
.017	359.482	02 00	DEC 02, 1974	
.033	359.505	02 01	DEC 02, 1974	
.050	359.460	02 02	DEC 02, 1974	
.067	359.551	02 03	DEC 02, 1974	
.083	359.551	02 04	DEC 02, 1974	
.100	359.551	02 05	DEC 02, 1974	
.117	359.551	02 06	DEC 02, 1974	
.133	359.528	02 07	DEC 02, 1974	
.150	359.574	02 08	DEC 02, 1974	
.167	359.528	02 09	DEC 02, 1974	
.183	359.597	02 10	DEC 02, 1974	
.200	359.597	02 11	DEC 02, 1974	
.217	359.597	02 12	DEC 02, 1974	
.233	359.574	02 13	DEC 02, 1974	
.250	359.619	02 14	DEC 02, 1974	
.267	359.619	02 15	DEC 02, 1974	
.283	359.619	02 16	DEC 02, 1974	
.300	359.642	02 17	DEC 02, 1974	
.317	359.665	02 18	DEC 02, 1974	
.333	359.665	02 19	DEC 02, 1974	
.350	359.642	02 20	DEC 02, 1974	
.367	359.688	02 21	DEC 02, 1974	
.383	359.711	02 22	DEC 02, 1974	
.400	359.711	02 23	DEC 02, 1974	
.417	359.711	02 24	DEC 02, 1974	
.433	359.734	02 25	DEC 02, 1974	
.450	359.734	02 26	DEC 02, 1974	
.467	359.756	02 27	DEC 02, 1974	
.483	359.756	02 28	DEC 02, 1974	
.500	359.779	02 29	DEC 02, 1974	
.517	359.756	02 30	DEC 02, 1974	
.533	359.825	02 31	DEC 02, 1974	
.550	359.825	02 32	DEC 02, 1974	
.567	359.779	02 33	DEC 02, 1974	
.583	359.825	02 34	DEC 02, 1974	
.600	359.802	02 35	DEC 02, 1974	
.617	359.825	02 36	DEC 02, 1974	
.633	359.825	02 37	DEC 02, 1974	
.650	359.848	02 38	DEC 02, 1974	

JOB NUMBER
SPG-11210-M

DATE OF JOB
DECEMBER 2, 1974

GAUGE/RUN NUMBER
145 RUN NO. 13 DST NO. 16

DATE OF RUN
DECEMBER 16, 1974

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
.667	359,848	02 39	DEC 02,1974	
.683	359,802	02 40	DEC 02,1974	
.700	359,802	02 41	DEC 02,1974	
.717	359,779	02 42	DEC 02,1974	
.733	359,825	02 43	DEC 02,1974	
.750	359,825	02 44	DEC 02,1974	
.767	359,825	02 45	DEC 02,1974	
.783	359,871	02 46	DEC 02,1974	
.800	359,825	02 47	DEC 02,1974	
.817	359,893	02 48	DEC 02,1974	
.833	359,893	02 49	DEC 02,1974	
.850	359,893	02 50	DEC 02,1974	
.867	359,893	02 51	DEC 02,1974	
.883	359,916	02 52	DEC 02,1974	
.900	359,893	02 53	DEC 02,1974	
.917	359,893	02 54	DEC 02,1974	
.933	359,916	02 55	DEC 02,1974	
.950	359,939	02 56	DEC 02,1974	
.967	359,985	02 57	DEC 02,1974	
.983	359,916	02 58	DEC 02,1974	
1,000	359,939	02 59	DEC 02,1974	
1,017	359,916	03 00	DEC 02,1974	
1,033	359,916	03 01	DEC 02,1974	
1,050	359,916	03 02	DEC 02,1974	
1,067	359,962	03 03	DEC 02,1974	
1,083	359,962	03 04	DEC 02,1974	
1,100	359,962	03 05	DEC 02,1974	
1,117	359,985	03 06	DEC 02,1974	
1,133	359,985	03 07	DEC 02,1974	
1,150	360,008	03 08	DEC 02,1974	
1,167	359,985	03 09	DEC 02,1974	
1,183	359,985	03 10	DEC 02,1974	
1,200	360,030	03 11	DEC 02,1974	
1,217	360,030	03 12	DEC 02,1974	
1,233	360,053	03 13	DEC 02,1974	
1,250	360,053	03 14	DEC 02,1974	
1,267	360,053	03 15	DEC 02,1974	
1,283	360,076	03 16	DEC 02,1974	
1,300	360,076	03 17	DEC 02,1974	
1,317	360,099	03 18	DEC 02,1974	

JOB NUMBER
SPG-11210-M

DATE OF JOB
DECEMBER 2, 1974

GAUGE/RUN NUMBER
145 RUN NO, 13 DST NO, 16

DATE OF RUN
DECEMBER 16, 1974

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
1,333	360,053	03 19	DEC 02, 1974	
1,350	360,076	03 20	DEC 02, 1974	
1,367	360,099	03 21	DEC 02, 1974	
1,383	360,099	03 22	DEC 02, 1974	
1,400	360,122	03 23	DEC 02, 1974	
1,417	360,099	03 24	DEC 02, 1974	
1,433	360,053	03 25	DEC 02, 1974	
1,450	360,122	03 26	DEC 02, 1974	
1,467	360,190	03 27	DEC 02, 1974	
1,483	360,236	03 28	DEC 02, 1974	
1,500	360,190	03 29	DEC 02, 1974	
1,517	360,213	03 30	DEC 02, 1974	
1,533	360,213	03 31	DEC 02, 1974	
1,550	360,213	03 32	DEC 02, 1974	
1,567	360,282	03 33	DEC 02, 1974	
1,583	360,259	03 34	DEC 02, 1974	
1,600	360,282	03 35	DEC 02, 1974	
1,617	360,282	03 36	DEC 02, 1974	
1,633	360,304	03 37	DEC 02, 1974	
1,650	360,259	03 38	DEC 02, 1974	
1,667	360,304	03 39	DEC 02, 1974	
1,683	360,304	03 40	DEC 02, 1974	
1,700	360,304	03 41	DEC 02, 1974	
1,717	360,327	03 42	DEC 02, 1974	
1,733	360,373	03 43	DEC 02, 1974	
1,750	360,373	03 44	DEC 02, 1974	
1,767	360,350	03 45	DEC 02, 1974	
1,783	360,350	03 46	DEC 02, 1974	START JETTING
1,800	360,396	03 47	DEC 02, 1974	
1,817	360,396	03 48	DEC 02, 1974	
1,833	360,396	03 49	DEC 02, 1974	
1,850	360,396	03 50	DEC 02, 1974	
1,867	360,419	03 51	DEC 02, 1974	
1,883	360,441	03 52	DEC 02, 1974	
1,900	360,441	03 53	DEC 02, 1974	
1,917	360,419	03 54	DEC 02, 1974	
1,933	360,441	03 55	DEC 02, 1974	
1,950	360,396	03 56	DEC 02, 1974	
1,967	360,441	03 57	DEC 02, 1974	
1,983	360,464	03 58	DEC 02, 1974	

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2,000	360,396	03 59	DEC 02,1974	
2,017	360,487	04 00	DEC 02,1974	
2,033	360,487	04 01	DEC 02,1974	
2,050	360,464	04 02	DEC 02,1974	
2,067	360,510	04 03	DEC 02,1974	
2,083	360,510	04 04	DEC 02,1974	
2,100	360,510	04 05	DEC 02,1974	
2,117	360,533	04 06	DEC 02,1974	
2,133	360,510	04 07	DEC 02,1974	
2,150	360,533	04 08	DEC 02,1974	
2,167	360,533	04 09	DEC 02,1974	
2,183	360,578	04 10	DEC 02,1974	
2,200	360,578	04 11	DEC 02,1974	
2,217	360,533	04 12	DEC 02,1974	
2,233	360,556	04 13	DEC 02,1974	
2,250	360,556	04 14	DEC 02,1974	
2,267	360,556	04 15	DEC 02,1974	
2,283	360,556	04 16	DEC 02,1974	
2,300	360,533	04 17	DEC 02,1974	
2,317	360,556	04 18	DEC 02,1974	
2,333	360,624	04 19	DEC 02,1974	
2,350	360,624	04 20	DEC 02,1974	
2,367	360,601	04 21	DEC 02,1974	
2,383	360,624	04 22	DEC 02,1974	
2,400	360,624	04 23	DEC 02,1974	
2,417	360,601	04 24	DEC 02,1974	
2,433	360,647	04 25	DEC 02,1974	
2,450	360,624	04 26	DEC 02,1974	
2,467	360,624	04 27	DEC 02,1974	
2,483	360,647	04 28	DEC 02,1974	
2,500	360,715	04 29	DEC 02,1974	
2,517	360,693	04 30	DEC 02,1974	
2,533	360,624	04 31	DEC 02,1974	
2,550	360,715	04 32	DEC 02,1974	
2,567	360,738	04 33	DEC 02,1974	
2,583	360,670	04 34	DEC 02,1974	
2,600	360,693	04 35	DEC 02,1974	
2,617	360,761	04 36	DEC 02,1974	
2,633	360,693	04 37	DEC 02,1974	
2,650	360,761	04 38	DEC 02,1974	

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2,667	360,761	04 39	DEC 02,1974	
2,683	360,784	04 40	DEC 02,1974	
2,700	360,784	04 41	DEC 02,1974	
2,717	360,807	04 42	DEC 02,1974	
2,733	360,761	04 43	DEC 02,1974	
2,750	360,807	04 44	DEC 02,1974	
2,767	360,807	04 45	DEC 02,1974	END JETTING
2,783	360,738	04 46	DEC 02,1974	
2,800	360,829	04 47	DEC 02,1974	
2,817	360,875	04 48	DEC 02,1974	
2,833	360,829	04 49	DEC 02,1974	
2,850	360,784	04 50	DEC 02,1974	
2,867	360,875	04 51	DEC 02,1974	
2,883	360,898	04 52	DEC 02,1974	
2,900	360,875	04 53	DEC 02,1974	
2,917	360,898	04 54	DEC 02,1974	
2,933	360,921	04 55	DEC 02,1974	
2,950	360,921	04 56	DEC 02,1974	
2,967	360,944	04 57	DEC 02,1974	
2,983	360,921	04 58	DEC 02,1974	
3,000	360,921	04 59	DEC 02,1974	
3,017	360,966	05 00	DEC 02,1974	
3,033	360,966	05 01	DEC 02,1974	
3,050	360,989	05 02	DEC 02,1974	
3,067	360,944	05 03	DEC 02,1974	
3,083	360,989	05 04	DEC 02,1974	
3,100	360,944	05 05	DEC 02,1974	
3,117	360,989	05 06	DEC 02,1974	
3,133	360,989	05 07	DEC 02,1974	
3,150	361,012	05 08	DEC 02,1974	
3,167	361,012	05 09	DEC 02,1974	
3,183	361,012	05 10	DEC 02,1974	
3,200	361,058	05 11	DEC 02,1974	
3,217	361,081	05 12	DEC 02,1974	
3,233	361,081	05 13	DEC 02,1974	
3,250	361,058	05 14	DEC 02,1974	
3,267	361,081	05 15	DEC 02,1974	
3,283	361,058	05 16	DEC 02,1974	
3,300	361,058	05 17	DEC 02,1974	
3,317	361,035	05 18	DEC 02,1974	

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3,333	361,081	05 19	DEC 02,1974	
3,350	361,103	05 20	DEC 02,1974	
3,367	361,126	05 21	DEC 02,1974	
3,383	361,149	05 22	DEC 02,1974	
3,400	361,172	05 23	DEC 02,1974	
3,417	361,172	05 24	DEC 02,1974	
3,433	361,149	05 25	DEC 02,1974	
3,450	361,172	05 26	DEC 02,1974	
3,467	361,195	05 27	DEC 02,1974	
3,483	361,240	05 28	DEC 02,1974	
3,500	361,240	05 29	DEC 02,1974	
3,517	361,240	05 30	DEC 02,1974	
3,533	361,240	05 31	DEC 02,1974	
3,550	361,172	05 32	DEC 02,1974	
3,567	361,263	05 33	DEC 02,1974	
3,583	361,263	05 34	DEC 02,1974	
3,600	361,286	05 35	DEC 02,1974	
3,633	361,263	05 37	DEC 02,1974	
3,650	361,263	05 38	DEC 02,1974	
3,667	361,309	05 39	DEC 02,1974	
3,683	361,263	05 40	DEC 02,1974	
3,700	361,286	05 41	DEC 02,1974	
3,717	361,286	05 42	DEC 02,1974	
3,733	361,263	05 43	DEC 02,1974	
3,750	361,286	05 44	DEC 02,1974	
3,767	361,309	05 45	DEC 02,1974	
3,783	361,355	05 46	DEC 02,1974	
3,800	361,332	05 47	DEC 02,1974	
3,817	361,309	05 48	DEC 02,1974	
3,833	361,377	05 49	DEC 02,1974	
3,850	361,355	05 50	DEC 02,1974	
3,867	361,355	05 51	DEC 02,1974	
3,883	361,355	05 52	DEC 02,1974	
3,900	361,355	05 53	DEC 02,1974	
3,917	361,355	05 54	DEC 02,1974	
3,933	361,332	05 55	DEC 02,1974	
3,950	361,377	05 56	DEC 02,1974	
3,967	361,332	05 57	DEC 02,1974	
3,983	361,400	05 58	DEC 02,1974	
4,000	361,400	05 59	DEC 02,1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
4.017	361.355	06 00	DEC 02, 1974	
4.033	361.423	06 01	DEC 02, 1974	
4.050	361.377	06 02	DEC 02, 1974	
4.067	361.377	06 03	DEC 02, 1974	
4.083	361.400	06 04	DEC 02, 1974	
4.100	361.423	06 05	DEC 02, 1974	
4.117	361.469	06 06	DEC 02, 1974	
4.133	361.469	06 07	DEC 02, 1974	
4.150	361.469	06 08	DEC 02, 1974	
4.167	361.446	06 09	DEC 02, 1974	
4.183	361.469	06 10	DEC 02, 1974	
4.200	361.492	06 11	DEC 02, 1974	
4.217	361.469	06 12	DEC 02, 1974	
4.233	361.446	06 13	DEC 02, 1974	
4.250	361.514	06 14	DEC 02, 1974	
4.267	361.514	06 15	DEC 02, 1974	
4.283	361.492	06 16	DEC 02, 1974	
4.300	361.537	06 17	DEC 02, 1974	
4.317	361.583	06 18	DEC 02, 1974	
4.333	361.537	06 19	DEC 02, 1974	
4.350	361.560	06 20	DEC 02, 1974	2 GPM INSIDE DRILL PIPE
4.367	361.583	06 21	DEC 02, 1974	
4.383	361.583	06 22	DEC 02, 1974	
4.400	361.583	06 23	DEC 02, 1974	
4.417	361.583	06 24	DEC 02, 1974	
4.433	361.583	06 25	DEC 02, 1974	
4.450	361.583	06 26	DEC 02, 1974	
4.467	361.560	06 27	DEC 02, 1974	
4.483	361.560	06 28	DEC 02, 1974	
4.500	361.583	06 29	DEC 02, 1974	
4.517	361.560	06 30	DEC 02, 1974	
4.533	361.606	06 31	DEC 02, 1974	
4.550	361.606	06 32	DEC 02, 1974	
4.567	361.651	06 33	DEC 02, 1974	5 GPM INSIDE DRILL PIPE
4.583	361.606	06 34	DEC 02, 1974	
4.600	361.629	06 35	DEC 02, 1974	
4.617	361.606	06 36	DEC 02, 1974	
4.633	361.651	06 37	DEC 02, 1974	
4.650	361.651	06 38	DEC 02, 1974	
4.667	361.629	06 39	DEC 02, 1974	

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4.683	361.651	06 40	DEC 02, 1974	
4.700	361.674	06 41	DEC 02, 1974	
4.717	361.674	06 42	DEC 02, 1974	
4.733	361.651	06 43	DEC 02, 1974	
4.750	361.674	06 44	DEC 02, 1974	
4.767	361.720	06 45	DEC 02, 1974	10 GPM INSIDE
4.783	361.743	06 46	DEC 02, 1974	DRILL PIPE
4.800	361.743	06 47	DEC 02, 1974	
4.817	361.766	06 48	DEC 02, 1974	
4.833	361.720	06 49	DEC 02, 1974	
4.850	361.788	06 50	DEC 02, 1974	
4.867	361.788	06 51	DEC 02, 1974	
4.883	361.788	06 52	DEC 02, 1974	
4.900	361.788	06 53	DEC 02, 1974	
4.917	361.788	06 54	DEC 02, 1974	
4.933	361.811	06 55	DEC 02, 1974	
4.950	361.788	06 56	DEC 02, 1974	
4.967	361.811	06 57	DEC 02, 1974	
4.983	361.811	06 58	DEC 02, 1974	
5.000	361.811	06 59	DEC 02, 1974	
5.017	361.834	07 00	DEC 02, 1974	
5.033	361.834	07 01	DEC 02, 1974	
5.050	361.834	07 02	DEC 02, 1974	
5.067	361.834	07 03	DEC 02, 1974	
5.083	361.880	07 04	DEC 02, 1974	
5.100	361.880	07 05	DEC 02, 1974	
5.117	361.880	07 06	DEC 02, 1974	20 GPM INSIDE
5.133	361.880	07 07	DEC 02, 1974	DRILL PIPE
5.150	361.903	07 08	DEC 02, 1974	
5.167	361.903	07 09	DEC 02, 1974	
5.183	361.903	07 10	DEC 02, 1974	
5.200	361.880	07 11	DEC 02, 1974	
5.217	361.948	07 12	DEC 02, 1974	
5.233	361.903	07 13	DEC 02, 1974	
5.250	361.948	07 14	DEC 02, 1974	
5.267	361.971	07 15	DEC 02, 1974	
5.283	361.971	07 16	DEC 02, 1974	
5.300	361.971	07 17	DEC 02, 1974	
5.317	361.948	07 18	DEC 02, 1974	
5.333	361.971	07 19	DEC 02, 1974	

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5,350	361,994	07 20	DEC 02,1974	30 GPM INSIDE DRILL PIPE
5,367	361,994	07 21	DEC 02,1974	
5,383	361,994	07 22	DEC 02,1974	
5,400	361,994	07 23	DEC 02,1974	
5,417	362,040	07 24	DEC 02,1974	
5,433	362,062	07 25	DEC 02,1974	
5,450	362,040	07 26	DEC 02,1974	
5,467	362,062	07 27	DEC 02,1974	
5,483	362,085	07 28	DEC 02,1974	
5,500	362,040	07 29	DEC 02,1974	
5,517	362,085	07 30	DEC 02,1974	
5,533	362,108	07 31	DEC 02,1974	
5,550	362,154	07 32	DEC 02,1974	
5,567	362,131	07 33	DEC 02,1974	
5,583	362,154	07 34	DEC 02,1974	
5,600	362,131	07 35	DEC 02,1974	
5,617	362,154	07 36	DEC 02,1974	
5,633	362,177	07 37	DEC 02,1974	
5,650	362,131	07 38	DEC 02,1974	
5,667	362,177	07 39	DEC 02,1974	
5,683	362,177	07 40	DEC 02,1974	40 GPM INSIDE DRILL PIPE
5,700	362,154	07 41	DEC 02,1974	
5,717	362,154	07 42	DEC 02,1974	
5,733	362,245	07 43	DEC 02,1974	
5,750	362,245	07 44	DEC 02,1974	
5,767	362,268	07 45	DEC 02,1974	
5,783	362,268	07 46	DEC 02,1974	
5,800	362,222	07 47	DEC 02,1974	
5,817	362,268	07 48	DEC 02,1974	
5,833	362,314	07 49	DEC 02,1974	
5,850	362,336	07 50	DEC 02,1974	40 GPM INSIDE DRILL PIPE
5,867	362,336	07 51	DEC 02,1974	
5,883	362,314	07 52	DEC 02,1974	
5,900	362,359	07 53	DEC 02,1974	
5,917	362,382	07 54	DEC 02,1974	
5,933	362,382	07 55	DEC 02,1974	
5,950	362,451	07 56	DEC 02,1974	
5,967	362,382	07 57	DEC 02,1974	
5,983	362,428	07 58	DEC 02,1974	
6,000	362,405	07 59	DEC 02,1974	

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6.017	362.428	08 00	DEC 02, 1974	
6.033	362.405	08 01	DEC 02, 1974	
6.050	362.428	08 02	DEC 02, 1974	
6.067	362.405	08 03	DEC 02, 1974	
6.083	362.451	08 04	DEC 02, 1974	
6.100	362.405	08 05	DEC 02, 1974	
6.117	362.473	08 06	DEC 02, 1974	
6.133	362.451	08 07	DEC 02, 1974	
6.150	362.473	08 08	DEC 02, 1974	
6.167	362.405	08 09	DEC 02, 1974	
6.183	362.451	08 10	DEC 02, 1974	
6.200	362.451	08 11	DEC 02, 1974	
6.217	362.451	08 12	DEC 02, 1974	
6.233	362.473	08 13	DEC 02, 1974	
6.250	362.519	08 14	DEC 02, 1974	
6.267	362.519	08 15	DEC 02, 1974	
6.283	362.519	08 16	DEC 02, 1974	
6.300	362.542	08 17	DEC 02, 1974	
6.317	362.542	08 18	DEC 02, 1974	
6.333	362.565	08 19	DEC 02, 1974	
6.350	362.565	08 20	DEC 02, 1974	60 GPM INSIDE
6.367	362.565	08 21	DEC 02, 1974	DRILL PIPE
6.383	362.565	08 22	DEC 02, 1974	OVER FLOW
6.400	362.565	08 23	DEC 02, 1974	
6.417	362.588	08 24	DEC 02, 1974	
6.433	362.588	08 25	DEC 02, 1974	
6.450	362.633	08 26	DEC 02, 1974	
6.467	362.633	08 27	DEC 02, 1974	
6.483	362.633	08 28	DEC 02, 1974	
6.500	362.656	08 29	DEC 02, 1974	
6.517	362.633	08 30	DEC 02, 1974	
6.533	362.656	08 31	DEC 02, 1974	
6.550	362.633	08 32	DEC 02, 1974	
6.567	362.656	08 33	DEC 02, 1974	END INJECTION
6.583	362.656	08 34	DEC 02, 1974	DECLINE DRILL
6.600	362.633	08 35	DEC 02, 1974	PIPE
6.617	362.656	08 36	DEC 02, 1974	
6.633	362.610	08 37	DEC 02, 1974	
6.650	362.610	08 38	DEC 02, 1974	
6.667	362.610	08 39	DEC 02, 1974	

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6,683	362,610	08 40	DEC 02,1974	
6,700	362,656	08 41	DEC 02,1974	
6,717	362,656	08 42	DEC 02,1974	
6,733	362,656	08 43	DEC 02,1974	
6,750	362,656	08 44	DEC 02,1974	
6,767	362,656	08 45	DEC 02,1974	
6,783	362,679	08 46	DEC 02,1974	
6,800	362,679	08 47	DEC 02,1974	
6,817	362,702	08 48	DEC 02,1974	
6,833	362,702	08 49	DEC 02,1974	END DECLINE
6,850	362,702	08 50	DEC 02,1974	10 GPM INSIDE
6,867	362,702	08 51	DEC 02,1974	DRILL PIPE
6,883	362,725	08 52	DEC 02,1974	
6,900	362,725	08 53	DEC 02,1974	
6,917	362,702	08 54	DEC 02,1974	
6,933	362,702	08 55	DEC 02,1974	
6,950	362,725	08 56	DEC 02,1974	
6,967	362,725	08 57	DEC 02,1974	
6,983	362,725	08 58	DEC 02,1974	
7,000	362,770	08 59	DEC 02,1974	
7,017	362,770	09 00	DEC 02,1974	
7,033	362,770	09 01	DEC 02,1974	
7,050	362,770	09 02	DEC 02,1974	
7,067	362,770	09 03	DEC 02,1974	
7,083	362,770	09 04	DEC 02,1974	
7,100	362,793	09 05	DEC 02,1974	
7,117	362,793	09 06	DEC 02,1974	
7,133	362,793	09 07	DEC 02,1974	
7,150	362,793	09 08	DEC 02,1974	
7,167	362,793	09 09	DEC 02,1974	
7,183	362,793	09 10	DEC 02,1974	END INJECTION
7,200	362,770	09 11	DEC 02,1974	DECLINE
7,217	362,793	09 12	DEC 02,1974	
7,233	362,770	09 13	DEC 02,1974	
7,250	362,839	09 14	DEC 02,1974	
7,267	362,839	09 15	DEC 02,1974	
7,283	362,839	09 16	DEC 02,1974	
7,300	362,839	09 17	DEC 02,1974	
7,317	362,839	09 18	DEC 02,1974	
7,333	362,862	09 19	DEC 02,1974	

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7.350	362.862	09 20	DEC 02, 1974	
7.367	362.862	09 21	DEC 02, 1974	
7.383	362.839	09 22	DEC 02, 1974	
7.400	362.862	09 23	DEC 02, 1974	
7.417	362.999	09 24	DEC 02, 1974	
7.433	364.939	09 25	DEC 02, 1974	20 GPM ANNULUS
7.450	366.241	09 26	DEC 02, 1974	
7.467	367.291	09 27	DEC 02, 1974	
7.483	368.158	09 28	DEC 02, 1974	
7.500	368.889	09 29	DEC 02, 1974	
7.517	369.483	09 30	DEC 02, 1974	
7.533	370.008	09 31	DEC 02, 1974	
7.550	370.442	09 32	DEC 02, 1974	
7.567	370.853	09 33	DEC 02, 1974	
7.583	371.195	09 34	DEC 02, 1974	
7.600	371.538	09 35	DEC 02, 1974	
7.617	371.812	09 36	DEC 02, 1974	
7.633	372.131	09 37	DEC 02, 1974	
7.650	372.382	09 38	DEC 02, 1974	
7.667	374.095	09 39	DEC 02, 1974	
7.683	376.309	09 40	DEC 02, 1974	40 GPM ANNULUS
7.700	378.159	09 41	DEC 02, 1974	
7.717	379.803	09 42	DEC 02, 1974	
7.733	381.264	09 43	DEC 02, 1974	
7.750	382.725	09 44	DEC 02, 1974	
7.767	384.004	09 45	DEC 02, 1974	
7.783	384.985	09 46	DEC 02, 1974	
7.800	386.013	09 47	DEC 02, 1974	
7.817	386.858	09 48	DEC 02, 1974	
7.833	387.634	09 49	DEC 02, 1974	
7.850	388.433	09 50	DEC 02, 1974	
7.867	389.095	09 51	DEC 02, 1974	
7.883	385.191	09 52	DEC 02, 1974	
7.900	390.465	09 53	DEC 02, 1974	
7.917	392.109	09 54	DEC 02, 1974	
7.933	393.616	09 55	DEC 02, 1974	60 GPM ANNULUS
7.950	394.940	09 56	DEC 02, 1974	
7.967	396.264	09 57	DEC 02, 1974	
7.983	397.611	09 58	DEC 02, 1974	
8.000	398.958	09 59	DEC 02, 1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
8,017	400,260	10 00	DEC 02,1974	
8,033	401,630	10 01	DEC 02,1974	
8,050	402,726	10 02	DEC 02,1974	
8,067	403,959	10 03	DEC 02,1974	
8,083	404,917	10 04	DEC 02,1974	
8,100	405,831	10 05	DEC 02,1974	
8,117	406,721	10 06	DEC 02,1974	
8,133	407,634	10 07	DEC 02,1974	
8,150	408,411	10 08	DEC 02,1974	
8,167	405,968	10 09	DEC 02,1974	
8,183	401,310	10 10	DEC 02,1974	START DECLINE
8,200	397,566	10 11	DEC 02,1974	
8,217	394,438	10 12	DEC 02,1974	
8,233	391,652	10 13	DEC 02,1974	
8,250	388,981	10 14	DEC 02,1974	
8,267	386,492	10 15	DEC 02,1974	
8,283	384,255	10 16	DEC 02,1974	
8,300	381,949	10 17	DEC 02,1974	
8,317	380,054	10 18	DEC 02,1974	
8,333	378,410	10 19	DEC 02,1974	
8,350	376,903	10 20	DEC 02,1974	
8,367	375,647	10 21	DEC 02,1974	
8,383	374,528	10 22	DEC 02,1974	
8,400	373,501	10 23	DEC 02,1974	
8,417	372,679	10 24	DEC 02,1974	
8,433	371,812	10 25	DEC 02,1974	
8,450	371,172	10 26	DEC 02,1974	
8,467	370,601	10 27	DEC 02,1974	
8,483	369,665	10 28	DEC 02,1974	
8,500	369,072	10 29	DEC 02,1974	END OF FLOW

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0.000	369.072	10 29	DEC 02, 1974	FINAL SHUT-IN
.017	368.729	10 30	DEC 02, 1974	
.033	368.364	10 31	DEC 02, 1974	
.050	368.021	10 32	DEC 02, 1974	
.067	367.702	10 33	DEC 02, 1974	
.083	367.519	10 34	DEC 02, 1974	
.100	367.200	10 35	DEC 02, 1974	
.117	367.017	10 36	DEC 02, 1974	
.133	366.880	10 37	DEC 02, 1974	
.150	366.720	10 38	DEC 02, 1974	
.167	366.652	10 39	DEC 02, 1974	
.183	360.441	10 40	DEC 02, 1974	
.200	355.533	10 41	DEC 02, 1974	
.217	355.829	10 42	DEC 02, 1974	END TEST

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PREPARED FOR

ATLANTIC RICHFIELD COMPANY

WELL NUMBER FEDERAL SG-17
FIELD/LEASE TRACT C-B SORGHUM GULCH
COUNTY/PARISH RIO BLANCO
STATE COLORADO
TYPE OF TEST DRILL STEM
REFERENCE ELEV GROUND LEVEL

ADDITIONAL INFORMATION

USED GAUGE 212 WITH 500 LB. ELEMENT
GAUGE DEPTH IS 1317 FEET INSIDE DP
TEST INTERVAL IS 1309 TO 1336 FEET
(PACKER DEPTH) 1308 FEET
GROUND LEVEL REFERENCE 7036 FEET

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0.000	300.456	01 32	DEC 02, 1974	SHUT IN
.017	380.179	01 33	DEC 02, 1974	
.033	382.938	01 34	DEC 02, 1974	
.050	383.425	01 35	DEC 02, 1974	
.067	383.865	01 36	DEC 02, 1974	
.083	384.074	01 37	DEC 02, 1974	
.100	384.190	01 38	DEC 02, 1974	
.117	384.271	01 39	DEC 02, 1974	
.133	384.352	01 40	DEC 02, 1974	
.150	384.399	01 41	DEC 02, 1974	
.167	384.422	01 42	DEC 02, 1974	
.183	384.491	01 43	DEC 02, 1974	
.200	384.538	01 44	DEC 02, 1974	
.217	384.573	01 45	DEC 02, 1974	
.233	384.619	01 46	DEC 02, 1974	
.250	384.642	01 47	DEC 02, 1974	
.267	384.665	01 48	DEC 02, 1974	
.283	384.688	01 49	DEC 02, 1974	
.300	384.712	01 50	DEC 02, 1974	
.317	384.758	01 51	DEC 02, 1974	
.333	384.770	01 52	DEC 02, 1974	
.350	384.793	01 53	DEC 02, 1974	
.367	384.816	01 54	DEC 02, 1974	
.383	384.839	01 55	DEC 02, 1974	
.400	384.897	01 56	DEC 02, 1974	
.417	384.920	01 57	DEC 02, 1974	
.433	384.943	01 58	DEC 02, 1974	
.450	384.955	01 59	DEC 02, 1974	END SHUT-IN

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0.000	355.861	01 59	DEC 02, 1974	START FLOW
.017	356.418	02 00	DEC 02, 1974	
.033	374.673	02 01	DEC 02, 1974	
.050	376.678	02 02	DEC 02, 1974	
.067	382.845	02 03	DEC 02, 1974	
.083	384.225	02 04	DEC 02, 1974	
.100	384.445	02 05	DEC 02, 1974	
.117	384.573	02 06	DEC 02, 1974	
.134	384.642	02 07	DEC 02, 1974	
.150	384.712	02 08	DEC 02, 1974	
.167	384.746	02 09	DEC 02, 1974	
.184	384.793	02 10	DEC 02, 1974	
.200	384.943	02 11	DEC 02, 1974	
.217	384.874	02 12	DEC 02, 1974	
.234	384.909	02 13	DEC 02, 1974	
.250	384.932	02 14	DEC 02, 1974	
.267	384.955	02 15	DEC 02, 1974	
.284	384.967	02 16	DEC 02, 1974	
.301	385.013	02 17	DEC 02, 1974	
.317	385.025	02 18	DEC 02, 1974	
.334	385.036	02 19	DEC 02, 1974	
.351	385.083	02 20	DEC 02, 1974	
.367	385.083	02 21	DEC 02, 1974	
.384	385.106	02 22	DEC 02, 1974	
.401	385.141	02 23	DEC 02, 1974	
.417	385.141	02 24	DEC 02, 1974	
.434	385.164	02 25	DEC 02, 1974	
.451	385.187	02 26	DEC 02, 1974	
.468	385.199	02 27	DEC 02, 1974	
.484	385.233	02 28	DEC 02, 1974	
.501	385.245	02 29	DEC 02, 1974	
.518	385.256	02 30	DEC 02, 1974	
.534	385.268	02 31	DEC 02, 1974	
.551	385.291	02 32	DEC 02, 1974	
.568	385.303	02 33	DEC 02, 1974	
.584	385.338	02 34	DEC 02, 1974	
.601	385.338	02 35	DEC 02, 1974	
.618	385.361	02 36	DEC 02, 1974	
.635	385.372	02 37	DEC 02, 1974	
.651	385.384	02 38	DEC 02, 1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
.668	385,419	02 39	DEC 02,1974	
.685	385,419	02 40	DEC 02,1974	
.701	385,430	02 41	DEC 02,1974	
.718	385,454	02 42	DEC 02,1974	
.735	385,454	02 43	DEC 02,1974	
.751	385,477	02 44	DEC 02,1974	
.768	385,477	02 45	DEC 02,1974	
.785	385,488	02 46	DEC 02,1974	
.802	385,500	02 47	DEC 02,1974	
.818	385,523	02 48	DEC 02,1974	
.835	385,546	02 49	DEC 02,1974	
.852	385,558	02 50	DEC 02,1974	
.868	385,569	02 51	DEC 02,1974	
.885	385,581	02 52	DEC 02,1974	
.902	385,593	02 53	DEC 02,1974	
.918	385,616	02 54	DEC 02,1974	
.935	385,616	02 55	DEC 02,1974	
.952	385,627	02 56	DEC 02,1974	
.969	385,651	02 57	DEC 02,1974	
.985	385,662	02 58	DEC 02,1974	
1.002	385,674	02 59	DEC 02,1974	
1.019	385,685	03 00	DEC 02,1974	
1.035	385,709	03 01	DEC 02,1974	
1.052	385,709	03 02	DEC 02,1974	
1.069	385,732	03 03	DEC 02,1974	
1.085	385,732	03 04	DEC 02,1974	
1.102	385,755	03 05	DEC 02,1974	
1.119	385,743	03 06	DEC 02,1974	
1.136	385,767	03 07	DEC 02,1974	
1.152	385,778	03 08	DEC 02,1974	
1.169	385,790	03 09	DEC 02,1974	
1.186	385,801	03 10	DEC 02,1974	
1.202	385,824	03 11	DEC 02,1974	
1.219	385,848	03 12	DEC 02,1974	
1.236	385,848	03 13	DEC 02,1974	
1.252	385,859	03 14	DEC 02,1974	
1.269	385,882	03 15	DEC 02,1974	
1.286	385,882	03 16	DEC 02,1974	
1.303	385,894	03 17	DEC 02,1974	
1.319	385,917	03 18	DEC 02,1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
1,336	385,964	03 19	DEC 02,1974	
1,353	386,508	03 20	DEC 02,1974	
1,369	385,975	03 21	DEC 02,1974	
1,386	385,987	03 22	DEC 02,1974	
1,403	385,987	03 23	DEC 02,1974	
1,419	386,311	03 24	DEC 02,1974	
1,436	386,022	03 25	DEC 02,1974	
1,453	386,022	03 26	DEC 02,1974	
1,470	386,045	03 27	DEC 02,1974	
1,486	386,022	03 28	DEC 02,1974	
1,503	386,172	03 29	DEC 02,1974	
1,520	386,068	03 30	DEC 02,1974	
1,536	386,080	03 31	DEC 02,1974	
1,553	386,091	03 32	DEC 02,1974	
1,570	386,091	03 33	DEC 02,1974	
1,586	386,126	03 34	DEC 02,1974	
1,603	386,114	03 35	DEC 02,1974	
1,620	386,137	03 36	DEC 02,1974	
1,637	386,137	03 37	DEC 02,1974	
1,653	386,149	03 38	DEC 02,1974	
1,670	386,161	03 39	DEC 02,1974	
1,687	386,172	03 40	DEC 02,1974	
1,703	386,659	03 41	DEC 02,1974	
1,720	386,230	03 42	DEC 02,1974	
1,737	386,230	03 43	DEC 02,1974	
1,753	386,219	03 44	DEC 02,1974	
1,770	386,671	03 45	DEC 02,1974	
1,787	389,430	03 46	DEC 02,1974	START JETTING
1,804	381,477	03 47	DEC 02,1974	
1,820	380,098	03 48	DEC 02,1974	
1,837	379,310	03 49	DEC 02,1974	
1,854	379,229	03 50	DEC 02,1974	
1,870	379,252	03 51	DEC 02,1974	
1,887	379,252	03 52	DEC 02,1974	
1,904	379,217	03 53	DEC 02,1974	
1,920	379,252	03 54	DEC 02,1974	
1,937	379,217	03 55	DEC 02,1974	
1,954	378,869	03 56	DEC 02,1974	
1,971	378,939	03 57	DEC 02,1974	
1,987	378,869	03 58	DEC 02,1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
2,004	378,950	03 59	DEC 02, 1974	
2,021	378,881	04 00	DEC 02, 1974	
2,037	378,927	04 01	DEC 02, 1974	
2,054	378,672	04 02	DEC 02, 1974	
2,071	378,707	04 03	DEC 02, 1974	
2,087	378,707	04 04	DEC 02, 1974	
2,104	378,591	04 05	DEC 02, 1974	
2,121	378,603	04 06	DEC 02, 1974	
2,138	378,614	04 07	DEC 02, 1974	
2,154	378,510	04 08	DEC 02, 1974	
2,171	378,661	04 09	DEC 02, 1974	
2,188	378,522	04 10	DEC 02, 1974	
2,204	378,510	04 11	DEC 02, 1974	
2,221	378,498	04 12	DEC 02, 1974	
2,238	378,417	04 13	DEC 02, 1974	
2,254	378,510	04 14	DEC 02, 1974	
2,271	378,533	04 15	DEC 02, 1974	
2,288	378,487	04 16	DEC 02, 1974	
2,305	378,417	04 17	DEC 02, 1974	
2,321	378,498	04 18	DEC 02, 1974	
2,338	378,487	04 19	DEC 02, 1974	
2,355	378,440	04 20	DEC 02, 1974	
2,371	378,522	04 21	DEC 02, 1974	
2,388	378,510	04 22	DEC 02, 1974	
2,405	378,475	04 23	DEC 02, 1974	
2,421	378,382	04 24	DEC 02, 1974	
2,438	378,452	04 25	DEC 02, 1974	
2,455	378,359	04 26	DEC 02, 1974	
2,472	378,440	04 27	DEC 02, 1974	
2,488	378,324	04 28	DEC 02, 1974	
2,505	378,475	04 29	DEC 02, 1974	
2,522	378,197	04 30	DEC 02, 1974	
2,538	378,394	04 31	DEC 02, 1974	
2,555	378,313	04 32	DEC 02, 1974	
2,572	378,359	04 33	DEC 02, 1974	
2,588	378,174	04 34	DEC 02, 1974	
2,605	378,301	04 35	DEC 02, 1974	
2,622	378,174	04 36	DEC 02, 1974	
2,639	378,197	04 37	DEC 02, 1974	
2,655	378,209	04 38	DEC 02, 1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
2,672	378,232	04 39	DEC 02,1974	
2,689	378,371	04 40	DEC 02,1974	
2,705	378,185	04 41	DEC 02,1974	
2,722	378,151	04 42	DEC 02,1974	
2,739	378,255	04 43	DEC 02,1974	
2,755	378,429	04 44	DEC 02,1974	
2,772	370,361	04 45	DEC 02,1974	END JETTING
2,789	383,031	04 46	DEC 02,1974	
2,805	384,167	04 47	DEC 02,1974	
2,822	384,491	04 48	DEC 02,1974	
2,839	384,399	04 49	DEC 02,1974	
2,856	384,990	04 50	DEC 02,1974	
2,872	385,129	04 51	DEC 02,1974	
2,889	385,199	04 52	DEC 02,1974	
2,906	385,280	04 53	DEC 02,1974	
2,922	385,361	04 54	DEC 02,1974	
2,939	385,384	04 55	DEC 02,1974	
2,956	385,454	04 56	DEC 02,1974	
2,972	385,488	04 57	DEC 02,1974	
2,989	385,523	04 58	DEC 02,1974	
3,006	385,558	04 59	DEC 02,1974	
3,023	385,604	05 00	DEC 02,1974	
3,039	385,326	05 01	DEC 02,1974	
3,056	385,685	05 02	DEC 02,1974	
3,073	385,488	05 03	DEC 02,1974	
3,089	385,755	05 04	DEC 02,1974	
3,106	385,558	05 05	DEC 02,1974	
3,123	385,801	05 06	DEC 02,1974	
3,139	385,824	05 07	DEC 02,1974	
3,156	385,801	05 08	DEC 02,1974	
3,173	385,709	05 09	DEC 02,1974	
3,190	385,871	05 10	DEC 02,1974	
3,206	385,882	05 11	DEC 02,1974	
3,223	385,940	05 12	DEC 02,1974	
3,240	385,964	05 13	DEC 02,1974	
3,256	385,987	05 14	DEC 02,1974	
3,273	385,998	05 15	DEC 02,1974	
3,290	386,022	05 16	DEC 02,1974	
3,306	386,056	05 17	DEC 02,1974	
3,323	386,068	05 18	DEC 02,1974	

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3,340	386,091	05 19	DEC 02, 1974	
3,357	386,114	05 20	DEC 02, 1974	
3,373	386,126	05 21	DEC 02, 1974	
3,390	386,149	05 22	DEC 02, 1974	
3,407	386,161	05 23	DEC 02, 1974	
3,423	386,184	05 24	DEC 02, 1974	
3,440	386,195	05 25	DEC 02, 1974	
3,457	386,207	05 26	DEC 02, 1974	
3,473	386,230	05 27	DEC 02, 1974	
3,490	386,242	05 28	DEC 02, 1974	
3,507	386,277	05 29	DEC 02, 1974	
3,524	386,277	05 30	DEC 02, 1974	
3,540	386,288	05 31	DEC 02, 1974	
3,557	386,300	05 32	DEC 02, 1974	
3,574	386,323	05 33	DEC 02, 1974	
3,590	386,335	05 34	DEC 02, 1974	
3,607	386,358	05 35	DEC 02, 1974	
3,624	386,369	05 36	DEC 02, 1974	
3,640	386,392	05 37	DEC 02, 1974	
3,657	386,392	05 38	DEC 02, 1974	
3,674	386,416	05 39	DEC 02, 1974	
3,691	386,427	05 40	DEC 02, 1974	
3,707	386,450	05 41	DEC 02, 1974	
3,724	386,462	05 42	DEC 02, 1974	
3,741	386,474	05 43	DEC 02, 1974	
3,757	386,474	05 44	DEC 02, 1974	
3,774	386,508	05 45	DEC 02, 1974	
3,791	386,520	05 46	DEC 02, 1974	
3,807	386,532	05 47	DEC 02, 1974	
3,824	386,532	05 48	DEC 02, 1974	
3,841	386,566	05 49	DEC 02, 1974	
3,858	386,568	05 50	DEC 02, 1974	
3,874	386,578	05 51	DEC 02, 1974	
3,891	386,578	05 52	DEC 02, 1974	
3,908	386,624	05 53	DEC 02, 1974	
3,924	386,601	05 54	DEC 02, 1974	
3,941	386,624	05 55	DEC 02, 1974	
3,958	386,636	05 56	DEC 02, 1974	
3,974	386,648	05 57	DEC 02, 1974	
3,991	386,659	05 58	DEC 02, 1974	

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4.008	386.682	05 59	DEC 02, 1974	
4.025	386.694	06 00	DEC 02, 1974	
4.041	386.705	06 01	DEC 02, 1974	
4.058	386.705	06 02	DEC 02, 1974	
4.075	386.717	06 03	DEC 02, 1974	
4.091	386.729	06 04	DEC 02, 1974	
4.108	386.729	06 05	DEC 02, 1974	
4.125	386.740	06 06	DEC 02, 1974	
4.141	386.763	06 07	DEC 02, 1974	
4.158	386.763	06 08	DEC 02, 1974	
4.175	386.787	06 09	DEC 02, 1974	
4.192	386.798	06 10	DEC 02, 1974	
4.208	386.810	06 11	DEC 02, 1974	
4.225	386.810	06 12	DEC 02, 1974	
4.242	386.833	06 13	DEC 02, 1974	
4.258	386.833	06 15	DEC 02, 1974	
4.275	386.833	06 16	DEC 02, 1974	
4.292	386.856	06 17	DEC 02, 1974	
4.308	386.868	06 18	DEC 02, 1974	
4.325	386.868	06 19	DEC 02, 1974	
4.342	386.868	06 20	DEC 02, 1974	2 GPM INSIDE
4.359	386.879	06 21	DEC 02, 1974	DP
4.375	386.914	06 22	DEC 02, 1974	
4.392	386.914	06 23	DEC 02, 1974	
4.409	387.621	06 24	DEC 02, 1974	
4.425	387.749	06 25	DEC 02, 1974	
4.442	387.795	06 26	DEC 02, 1974	
4.459	387.830	06 27	DEC 02, 1974	
4.475	387.841	06 28	DEC 02, 1974	
4.492	387.888	06 29	DEC 02, 1974	
4.509	387.923	06 30	DEC 02, 1974	
4.526	387.946	06 31	DEC 02, 1974	
4.542	387.957	06 32	DEC 02, 1974	
4.559	387.992	06 33	DEC 02, 1974	5 GPM INSIDE
4.576	388.004	06 34	DEC 02, 1974	DP
4.592	388.015	06 35	DEC 02, 1974	
4.609	388.560	06 36	DEC 02, 1974	
4.626	388.699	06 37	DEC 02, 1974	
4.642	388.746	06 38	DEC 02, 1974	
4.659	388.757	06 39	DEC 02, 1974	

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4.676	388.780	06 40	DEC 02, 1974	
4.693	388.815	06 41	DEC 02, 1974	
4.709	388.850	06 42	DEC 02, 1974	
4.726	388.873	06 43	DEC 02, 1974	
4.743	388.838	06 44	DEC 02, 1974	
4.759	388.838	06 45	DEC 02, 1974	10 GPM INSIDE
4.776	388.931	06 46	DEC 02, 1974	DP
4.793	389.638	06 47	DEC 02, 1974	
4.809	391.029	06 48	DEC 02, 1974	
4.826	391.435	06 49	DEC 02, 1974	
4.843	391.597	06 50	DEC 02, 1974	
4.860	391.632	06 51	DEC 02, 1974	
4.876	391.736	06 52	DEC 02, 1974	
4.893	391.806	06 53	DEC 02, 1974	
4.910	391.876	06 54	DEC 02, 1974	
4.926	391.910	06 55	DEC 02, 1974	
4.943	392.015	06 56	DEC 02, 1974	
4.960	392.026	06 57	DEC 02, 1974	
4.976	392.049	06 58	DEC 02, 1974	
4.993	392.073	06 59	DEC 02, 1974	
5.010	392.154	07 00	DEC 02, 1974	
5.027	392.177	07 01	DEC 02, 1974	
5.043	392.200	07 02	DEC 02, 1974	
5.060	392.293	07 03	DEC 02, 1974	
5.077	392.293	07 04	DEC 02, 1974	
5.093	392.386	07 05	DEC 02, 1974	
5.110	392.455	07 06	DEC 02, 1974	20 GPM INSIDE
5.127	392.455	07 07	DEC 02, 1974	DP
5.143	394.600	07 08	DEC 02, 1974	
5.160	396.025	07 09	DEC 02, 1974	
5.177	397.069	07 10	DEC 02, 1974	
5.194	398.029	07 11	DEC 02, 1974	
5.210	398.666	07 12	DEC 02, 1974	
5.227	399.118	07 13	DEC 02, 1974	
5.244	399.338	07 14	DEC 02, 1974	
5.260	399.489	07 15	DEC 02, 1974	
5.277	399.709	07 16	DEC 02, 1974	
5.294	399.895	07 17	DEC 02, 1974	
5.310	400.011	07 18	DEC 02, 1974	
5.327	399.814	07 19	DEC 02, 1974	

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PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
5,344	396,918	07 20	DEC 02,1974	30 GPM INSIDE DP
5,361	393,788	07 21	DEC 02,1974	
5,377	391,910	07 22	DEC 02,1974	
5,394	394,391	07 23	DEC 02,1974	
5,411	395,226	07 24	DEC 02,1974	
5,427	395,689	07 25	DEC 02,1974	
5,444	396,037	07 26	DEC 02,1974	
5,461	396,315	07 27	DEC 02,1974	
5,477	396,454	07 28	DEC 02,1974	
5,494	396,617	07 29	DEC 02,1974	
5,511	396,779	07 30	DEC 02,1974	
5,528	396,814	07 31	DEC 02,1974	
5,544	404,439	07 32	DEC 02,1974	
5,561	409,122	07 33	DEC 02,1974	
5,578	411,672	07 34	DEC 02,1974	
5,594	413,713	07 35	DEC 02,1974	
5,611	415,359	07 36	DEC 02,1974	
5,628	418,106	07 37	DEC 02,1974	
5,644	419,961	07 38	DEC 02,1974	
5,661	420,900	07 39	DEC 02,1974	
5,678	422,198	07 40	DEC 02,1974	
5,694	420,575	07 41	DEC 02,1974	
5,711	413,585	07 42	DEC 02,1974	
5,728	410,791	07 43	DEC 02,1974	
5,745	410,409	07 44	DEC 02,1974	
5,761	410,165	07 45	DEC 02,1974	
5,778	410,212	07 46	DEC 02,1974	
5,795	410,397	07 47	DEC 02,1974	
5,811	410,444	07 48	DEC 02,1974	
5,828	410,560	07 49	DEC 02,1974	
5,845	428,061	07 50	DEC 02,1974	40 GPM INSIDE DP
5,861	434,495	07 51	DEC 02,1974	
5,878	439,097	07 52	DEC 02,1974	
5,895	443,432	07 53	DEC 02,1974	
5,912	445,901	07 54	DEC 02,1974	
5,928	448,081	07 55	DEC 02,1974	
5,945	450,561	07 56	DEC 02,1974	
5,962	452,483	07 57	DEC 02,1974	
5,978	454,373	07 58	DEC 02,1974	
5,995	456,367	07 59	DEC 02,1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
6,012	458,928	08 00	DEC 02,1974	
6,028	460,644	08 01	DEC 02,1974	
6,045	462,023	08 02	DEC 02,1974	
6,062	462,163	08 03	DEC 02,1974	
6,079	461,861	08 04	DEC 02,1974	
6,095	463,275	08 05	DEC 02,1974	
6,112	463,670	08 06	DEC 02,1974	
6,129	464,191	08 07	DEC 02,1974	
6,145	464,458	08 08	DEC 02,1974	
6,162	464,864	08 09	DEC 02,1974	
6,179	466,069	08 10	DEC 02,1974	
6,195	468,480	08 11	DEC 02,1974	
6,212	469,952	08 12	DEC 02,1974	
6,229	470,973	08 13	DEC 02,1974	
6,246	472,097	08 14	DEC 02,1974	
6,262	472,978	08 15	DEC 02,1974	
6,279	473,500	08 16	DEC 02,1974	
6,296	473,963	08 17	DEC 02,1974	
6,312	474,276	08 18	DEC 02,1974	
6,329	475,134	08 19	DEC 02,1974	
6,346	481,426	08 20	DEC 02,1974	60 GPM INSIDE
6,362	482,667	08 21	DEC 02,1974	OVER FLOW
6,379	482,006	08 22	DEC 02,1974	
6,396	484,440	08 23	DEC 02,1974	
6,413	484,718	08 24	DEC 02,1974	
6,429	485,205	08 25	DEC 02,1974	
6,446	485,634	08 26	DEC 02,1974	
6,463	486,225	08 27	DEC 02,1974	
6,479	486,840	08 28	DEC 02,1974	
6,496	487,025	08 29	DEC 02,1974	
6,513	486,341	08 30	DEC 02,1974	
6,529	486,341	08 31	DEC 02,1974	
6,546	486,353	08 32	DEC 02,1974	
6,563	486,573	08 33	DEC 02,1974	END INJECTION
6,580	473,303	08 34	DEC 02,1974	DECLINE DRILL
6,596	460,899	08 35	DEC 02,1974	PIPE
6,613	447,547	08 36	DEC 02,1974	
6,630	437,207	08 37	DEC 02,1974	
6,646	424,053	08 38	DEC 02,1974	
6,663	391,632	08 39	DEC 02,1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
6,680	405,992	08 40	DEC 02, 1974	
6,696	399,246	08 41	DEC 02, 1974	
6,713	396,605	08 42	DEC 02, 1974	
6,730	395,886	08 43	DEC 02, 1974	
6,747	395,539	08 44	DEC 02, 1974	
6,763	395,284	08 45	DEC 02, 1974	
6,780	395,087	08 46	DEC 02, 1974	
6,797	394,913	08 47	DEC 02, 1974	
6,813	394,750	08 48	DEC 02, 1974	
6,830	394,600	08 49	DEC 02, 1974	END DECLINE
6,847	394,449	08 50	DEC 02, 1974	10 GPM INSIDE
6,863	394,333	08 51	DEC 02, 1974	DRILL PIPE
6,880	394,843	08 52	DEC 02, 1974	
6,897	402,283	08 53	DEC 02, 1974	
6,914	405,227	08 54	DEC 02, 1974	
6,930	406,757	08 55	DEC 02, 1974	
6,947	407,627	08 56	DEC 02, 1974	
6,964	408,009	08 57	DEC 02, 1974	
6,980	408,183	08 58	DEC 02, 1974	
6,997	408,438	08 59	DEC 02, 1974	
7,014	408,716	09 00	DEC 02, 1974	
7,030	408,728	09 01	DEC 02, 1974	
7,047	408,786	09 02	DEC 02, 1974	
7,064	408,832	09 03	DEC 02, 1974	
7,081	408,925	09 04	DEC 02, 1974	
7,097	408,937	09 05	DEC 02, 1974	
7,114	409,099	09 06	DEC 02, 1974	
7,131	409,099	09 07	DEC 02, 1974	
7,147	409,076	09 08	DEC 02, 1974	
7,164	409,064	09 09	DEC 02, 1974	
7,181	409,180	09 10	DEC 02, 1974	END INJECTION
7,197	409,284	09 11	DEC 02, 1974	DECLINE
7,214	405,401	09 12	DEC 02, 1974	
7,231	398,597	09 13	DEC 02, 1974	
7,248	395,040	09 14	DEC 02, 1974	
7,264	394,055	09 15	DEC 02, 1974	
7,281	393,835	09 16	DEC 02, 1974	
7,298	393,707	09 17	DEC 02, 1974	
7,314	393,580	09 18	DEC 02, 1974	
7,331	393,475	09 19	DEC 02, 1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
7,348	393,406	09 20	DEC 02,1974	
7,364	393,348	09 21	DEC 02,1974	
7,381	393,278	09 22	DEC 02,1974	
7,398	393,232	09 23	DEC 02,1974	
7,415	393,162	09 24	DEC 02,1974	
7,431	393,116	09 25	DEC 02,1974	20 GPM ANNULUS
7,448	393,058	09 26	DEC 02,1974	
7,465	393,012	09 27	DEC 02,1974	
7,481	392,988	09 28	DEC 02,1974	
7,498	392,965	09 29	DEC 02,1974	
7,515	392,907	09 30	DEC 02,1974	
7,531	392,884	09 31	DEC 02,1974	
7,548	392,849	09 32	DEC 02,1974	
7,565	392,838	09 33	DEC 02,1974	
7,582	392,803	09 34	DEC 02,1974	
7,598	392,768	09 35	DEC 02,1974	
7,615	392,757	09 36	DEC 02,1974	
7,632	392,733	09 37	DEC 02,1974	
7,648	392,699	09 38	DEC 02,1974	
7,665	392,675	09 39	DEC 02,1974	
7,682	392,675	09 40	DEC 02,1974	40 GPM ANNULUS
7,698	392,664	09 41	DEC 02,1974	
7,715	392,629	09 42	DEC 02,1974	
7,732	392,606	09 43	DEC 02,1974	
7,749	392,606	09 44	DEC 02,1974	
7,765	392,606	09 45	DEC 02,1974	
7,782	392,583	09 46	DEC 02,1974	
7,799	392,571	09 47	DEC 02,1974	
7,815	392,571	09 48	DEC 02,1974	
7,832	392,548	09 49	DEC 02,1974	
7,849	392,525	09 50	DEC 02,1974	
7,865	392,513	09 51	DEC 02,1974	
7,882	392,513	09 52	DEC 02,1974	
7,899	392,513	09 53	DEC 02,1974	
7,916	392,490	09 54	DEC 02,1974	
7,932	392,478	09 55	DEC 02,1974	60 GPM ANNULUS
7,949	392,478	09 56	DEC 02,1974	
7,966	392,478	09 57	DEC 02,1974	
7,982	392,455	09 58	DEC 02,1974	
7,999	392,444	09 59	DEC 02,1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
8,016	392,467	10 00	DEC 02,1974	
8,032	392,467	10 01	DEC 02,1974	
8,049	392,444	10 02	DEC 02,1974	
8,066	392,444	10 03	DEC 02,1974	
8,083	392,432	10 04	DEC 02,1974	
8,099	392,432	10 05	DEC 02,1974	
8,116	392,420	10 06	DEC 02,1974	
8,133	392,409	10 07	DEC 02,1974	
8,149	392,409	10 08	DEC 02,1974	
8,166	392,420	10 09	DEC 02,1974	
8,183	392,386	10 10	DEC 02,1974	START DECLINE
8,199	392,386	10 11	DEC 02,1974	
8,216	392,386	10 12	DEC 02,1974	
8,233	392,351	10 13	DEC 02,1974	
8,250	392,339	10 14	DEC 02,1974	
8,266	392,328	10 15	DEC 02,1974	
8,283	392,328	10 16	DEC 02,1974	
8,300	392,316	10 17	DEC 02,1974	
8,316	392,293	10 18	DEC 02,1974	
8,333	392,281	10 19	DEC 02,1974	
8,350	392,258	10 20	DEC 02,1974	
8,366	392,258	10 21	DEC 02,1974	
8,383	392,235	10 22	DEC 02,1974	
8,400	392,200	10 23	DEC 02,1974	
8,416	392,200	10 24	DEC 02,1974	
8,433	392,212	10 25	DEC 02,1974	
8,450	392,188	10 26	DEC 02,1974	
8,467	392,165	10 27	DEC 02,1974	
8,483	392,165	10 28	DEC 02,1974	
8,500	392,142	10 29	DEC 02,1974	END FLOW

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510 POINTS REPORTED THIS RUN

JOB NUMBER
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DECEMBER 16, 1974

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0.000	392.142	10 29	DEC 02, 1974	FINAL SHUT-IN
.017	392.154	10 30	DEC 02, 1974	
.033	392.142	10 31	DEC 02, 1974	
.050	392.119	10 32	DEC 02, 1974	
.067	392.119	10 33	DEC 02, 1974	
.083	392.096	10 34	DEC 02, 1974	
.100	392.084	10 35	DEC 02, 1974	
.117	392.084	10 36	DEC 02, 1974	
.133	392.084	10 37	DEC 02, 1974	
.150	392.061	10 38	DEC 02, 1974	
.167	392.038	10 39	DEC 02, 1974	
.183	392.038	10 40	DEC 02, 1974	
.217	392.026	10 42	DEC 02, 1974	END TEST

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13 POINTS REPORTED THIS RUN

PAGE 2

JOHNSTON

Schlumberger

technical
report

RECEIVED

DEC 16 1974

A. J. ROGERS

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F.R. #09102 C



SURFACE INFORMATION

Description (Rate of Flow)	Time	Pressure (P.S.I.G.)	Surface Choke
Opened Tool (12-3-74)	1606	-	-
CLOSED FOR INITIAL SHUT-IN	1607	-	-
FINISHED SHUT-IN	1637	-	-
RE-OPENED TOOL	1644	-	-
STARTED INJECTING WATER AT 3 GAL/MIN.	2035	-	-
INCREASED WATER INJECTION TO 5 GAL/MIN.	2050	-	-
INCREASED WATER INJECTION TO 10 GAL/MIN.	2105	-	-
INCREASED WATER INJECTION TO 20 GAL/MIN.	2120	-	-
INCREASED WATER INJECTION TO 40 GAL/MIN.	2150	-	-
INCREASED WATER INJECTION TO 60 GAL/MIN.	2155	-	-
DECREASED WATER INJECTION TO 52 GAL/MIN.	2205	-	-
STOPPED INJECTIONS	2225	-	-
(12-4-74)			
CLOSED FOR FINAL SHUT-IN	0003	-	-
PULLED PACKER LOOSE	0012	-	-

EQUIPMENT & HOLE DATA

Type Test	M.F.E. OPEN HOLE
Formation Tested	GREEN RIVER
Elevation	7036 Ft.
Net Productive Interval	46 Ft.
Estimated Porosity	- %
All Depths Measured From	GROUND LEVEL
Total Depth	1373 Ft.
Main Hole/Casing Size	6 3/4"
Rot Hole/Liner Size	-
Drill Collar Length	298' I.D. -
Drill Pipe Length	984' I.D. -
Packer Depth(s)	1323' & 1327' Ft.

MULTI-FLOW EVALUATOR FLUID SAMPLE DATA

Sampler Pressure	P.S.I.G. at Surface
Recovery: Cu. Ft. Gos	
cc. Oil	
cc. Water	
cc. Mud	
> Tot. Liquid cc.	
Gravity	°API @ °F.
Gos/Oil Ratio	cu. ft./bbl.

RESISTIVITY

CHLORIDE
CONTENT

Recovery Water	@ °F.	ppm
Recovery Mud	@ °F.	
Recovery Mud Filtrate	@ °F.	ppm
Mud Pit Sample	@ °F.	
Mud Pit Sample Filtrate	@ °F.	ppm

MUD DATA

Mud Type	WATER - FOAM	Wt.	-
Viscosity	-	Water Loss	- C.C.
Resist: of Mud	@ °F;	of Filtrate	@ °F
Chloride Content	-		PPM

RECOVERY DESCRIPTION	FEET	BARRELS	% OIL	% WATER	% OTHERS	API GRAVITY	RESISTIVITY	CHL. PPM
-						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	

Remarks:

Address 1500 SECURITY LIFE BUILDING, 1600 GLENARM; DENVER, COLORADO 80202

Company ATLANTIC-RICHFIELD COMPANY Field SORGHUM GULCH
 Well FEDERAL S-G #17 Location 436' FWL & 181' FSL SEC. 16-3S-96W
 Test Interval 1327' TO 1373' Test # 17 Date 12-3-74

County RIO BLANCO State COLORADO
 Technician TAYLOR (VERNAL) Test Approved By MR. JERRY L. BUSSELL

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Field Report No. 09102 C
 No. Reports Requested 15 (14x)



PRESSURE DATA

Instrument No.	AK-1-5009			Field Report No. 091 02 C	
Capacity (P.S.I.G.)	1500				
Instrument Depth	1307'				
Instrument Opening	INSIDE				
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.	-				
				TIME DATA	
Initial Hydrastatic Mud	A			Time Given	Time Computed
Initial Shut-in	B			Mins.	Mins.
Initial Flow	C			Mins.	Mins.
				Mins.	Mins.
				Mins.	Mins.
Final Flow	D			Mins.	Mins.
Final Shut-in	E			Mins.	Mins.
Final Hydrastatic Mud	F			Mins.	Mins.

Remarks:

*Shut In pressure did not reach static reservoir pressure.

Clock Travel 0.006930

inches per min.

PRESSURE INCREMENTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
1	364.5		75	367.1		215	369.0	
2	366.7		80	367.5		220	369.0	
3	0 155.1		85	367.5		225	369.0	
4	1 270.8		90	367.9		230	369.0	
	2 365.2		95	367.9		235	369.4	
	3 365.6		100	367.9		240	369.4	
	4 365.6		105	368.3		245	369.4	
	5 365.6		110	368.3		250	369.4	
	6 366.0		115	368.6		255	369.4	
	7 366.0		120	368.6		260	369.4	
	8 366.0		8 125	368.6		265	369.8	
	9 366.4		9 127	385.3		270	369.8	
	10 366.4		10 129	355.0		275	370.1	
	15 366.4		130	363.0		280	370.9	
	20 366.4		135	363.0		285	370.9	
	25 366.4		140	362.2		290	371.3	
	30 366.4		145	362.2		295	371.7	
5	31 366.4		150	362.2		300	372.4	
6	37 367.1		155	362.2		305	373.5	
7	38 287.8		160	362.2		310	373.9	
	39 350.1		165	362.2		320	373.5	
	40 361.8		170	362.2		325	372.0	
	41 364.5		175	362.2		330	372.0	
	42 365.2		180	362.2		335	372.0	
	43 365.6		185	362.2		340	372.0	
	44 365.6		11 186	362.2		13 344	372.0	
	45 366.0		12 188	351.6		346	406.0	
	50 366.4		190	367.1	II B-867	348	418.1	
	55 366.7		195	367.9		350	428.0	
	60 366.7		200	368.3		352	459.7	
	65 366.7		205	368.6		354	477.5	
	70 366.7		210	368.6		356	495.2	



PRESSURE DATA

Instrument No.	AK-1-5009		
Capacity (P.S.I.G.)			
Instrument Depth			
Instrument Opening			
Pressure Gradient P.S.I./Ft.			
Well Temperature °F.			
Initial Hydrostatic Mud	A		
Initial Shut-in	B		
Initial Flow	C		
Final Flow	D		
Final Shut-in	E		
Final Hydrostatic Mud	F		

Field Report No. 09102 C

TIME DATA

Time Given	Time Computed
Mins.	Mins.
Mins.	Mins.
Mins.	Mins.
Mins.	Mins.
Mins.	Mins.
Mins.	Mins.

Remarks:

* Shut in pressure did not reach static reservoir pressure.

Clock Travel _____ inches per min.

PRESSURE INCREMENTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
358	501.7		420	375.8		482	375.8	
360	507.3		422	375.8		484	375.8	
362	511.9		424	375.8		17 486	375.8	
364	514.1		426	375.8		18	372.4	
366	516.0		428	375.8				
368	517.5		430	375.8				
370	518.7		432	376.2				
372	519.4		434	376.2				
374	519.8		436	376.2				
376	520.2		438	376.6				
14 377	520.5		440	376.6				
378	517.9		442	376.9				
380	438.2		444	376.9				
382	392.1		446	376.9				
15 384	378.8		448	376.9				
386	377.7		450	376.9				
388	376.9		452	376.9				
390	376.6		454	377.3				
392	376.2		456	377.3				
394	376.2		458	377.3				
396	375.8		460	377.3				
398	375.8		462	377.3				
400	375.8		464	377.3				
402	375.8		466	377.3				
404	375.8		468	377.3				
406	375.8		470	376.9				
408	375.8		472	376.9				
410	375.4		474	376.6				
412	375.4		476	376.6				
414	375.4		16 477	376.6				
416	375.4		478	375.8				
418	375.4		480	375.8				

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PRESSURE DATA

Instrument No.	AK-1-5010			Field Report No. 09102 C	
Capacity (P.S.I.G.)	1600				
Instrument Depth	1336'				
Instrument Opening	OUTSIDE				
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.	-				
				TIME DATA	
Initial Hydrostatic Mud	A			Time Given	Time Computed
Initial Shut-in	B				
Initial Flow	C			Mins.	Mins.
				Mins.	Mins.
				Mins.	Mins.
Final Flow	D			Mins.	Mins.
Final Shut-in	E			Mins.	Mins.
Final Hydrostatic Mud	F			Mins.	Mins.

Remarks:

*Shut in pressure did not reach static reservoir pressure.

Clock Travel 0.003436

inches per min.

PRESSURE INCREMENTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
1	377.2		75	378.8		215	379.6	
2	377.2		80	378.8		220	379.6	
3 0	313.2		85	378.8		225	380.0	
4 1	333.6		90	379.2		230	380.0	
2	377.2		95	379.2		235	380.4	
3	378.4		100	379.2		240	380.4	
4	378.4		105	379.6		245	380.4	
5	378.4		110	379.6		250	380.4	
6	378.4		115	380.0		255	380.4	
7	378.4		120	380.0		260	380.4	
8	378.4		125	380.0		265	380.4	
9	378.4		127	388.0		270	380.4	
10	378.4		129	373.6		275	381.2	
15	378.4		130	375.6		280	381.2	
20	378.8		135	375.6		285	381.6	
25	378.8		140	375.2		290	382.0	
30	378.8		145	375.2		295	382.0	
5 31	378.8		150	375.2		300	382.8	
6 37	379.6		155	375.2		305	383.6	
7 38	351.6		160	374.8		310	384.0	
39	363.2		165	374.8		315	383.6	
40	372.8		170	375.2		320	382.8	
41	376.0		175	375.2		325	382.4	
42	377.2		180	375.2		330	382.4	
43	377.6		185	374.8		335	382.4	
44	378.0		11 186	374.8		340	382.4	
45	378.0		12 188	371.2		13 344	382.4	
50	378.4		190	378.0	II B-869	346	399.2	
55	378.4		195	379.2		348	405.2	
60	378.4		200	379.2		350	412.0	
65	378.8		205	379.2		352	431.2	
70	378.8		210	379.6		354	446.4	

PRESSURE DATA

Instrument No.	AK-1-5010			Field Report No. 09102 C	
Capacity (P.S.I.G.)					
Instrument Depth					
Instrument Opening					
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.					
				TIME DATA	
Initial Hydrostatic Mud	A			Time Given	Time Computed
Initial Shut-in	B			Mins.	Mins.
Initial Flow	C			Mins.	Mins.
				Mins.	Mins.
				Mins.	Mins.
Final Flow	D			Mins.	Mins.
Final Shut-in	E			Mins.	Mins.
Final Hydrostatic Mud	F			Mins.	Mins.
Remarks:					

*Shut in pressure did not reach static reservoir pressure.

Clock Travel _____ inches per min.

PRESSURE INCREMENTS

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
356	462.8		418	385.6		480	386.8	
358	471.2		420	386.0		482	386.4	
360	476.8		422	386.0		484	386.0	
362	487.8		424	386.0		17 486	385.6	
364	487.2		426	386.0		18	383.2	
366	489.6		428	386.0				
368	491.6		430	386.0				
370	493.2		432	386.4				
372	494.4		434	386.4				
374	495.2		436	386.8				
376	496.0		438	386.8				
14 377	496.4		440	386.8				
378	483.2		442	387.2				
380	426.8		444	387.2				
382	396.8		446	387.2				
15 384	389.2		448	387.2				
386	388.0		450	387.2				
388	387.2		452	387.6				
390	386.8		454	387.6				
392	386.8		456	387.6				
394	386.4		458	387.6				
396	386.4		460	387.6				
398	386.4		462	387.6				
400	386.4		464	387.6				
402	386.0		466	387.2				
404	386.0		468	387.2				
406	386.0		470	386.8				
408	386.0		472	386.4	II B-870			
410	386.0		474	386.4				
412	385.6		476	386.0				
414	385.6		16 477	386.0				
416	385.6		478	385.6				



FIELD REPORT NO.

09102 C

CAPACITY

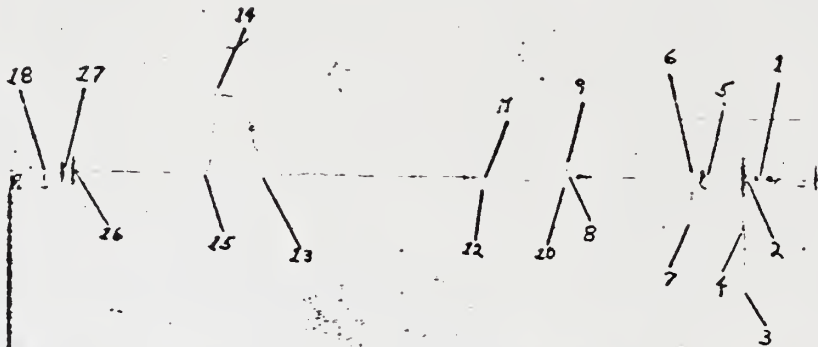
1500#

RECORDER NO.

AK-1-5009

REPORTS REQUESTED

15+



FIELD REPORT NO.

09102 C

CAPACITY

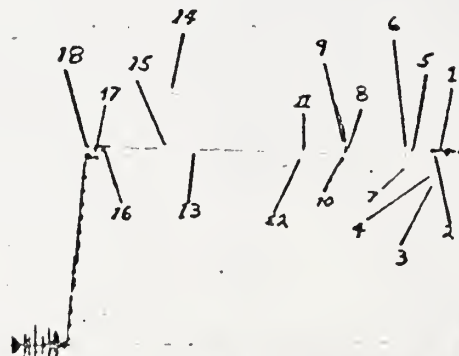
1600#

RECORDER NO.

AK-1-5010

REPORTS REQUESTED

15+



SPERRY-SUN



OST 17
1321-1973

POST OFFICE BOX 36363 HOUSTON, TEXAS 77036 (713) 494-3021

J. A. Fouché
President

January 7, 1975

Mr. Frederick R. Scheerer
Atlantic-Richfield Company
1500 Security Life Building
Denver, Colorado 80202

Dear Sir:

Enclosed is the original of our Precision Pressure Gauge Drill Stem Test Job SPG-11210-N performed on your Federal SG-17 Well, Tract C-b, Piceance Creek Basin, Sorghum Gulch, Rio Blanco County, Colorado on December 3, 1974.

Also enclosed are the charts for gauge numbers 145 and 212 with Field Data Sheet.

Distribution is being made according to the attached mailing list.

Thank you for this opportunity to be of service.

Very truly yours,

Carl Kisinger, Jr.
Manager, Pressure Services

CK:jg
Enclosures

Job No. SPG-11210N Date 12-3-74 Run DST-17 Office CASPER
 Customer ARCO ET AL Location Rio BLANCO, Colo.
 State Colorado County/~~Dist~~ Rio BLANCO
 Well Sorghum Gulch No. 17 Field Tract C.6

USE MILITARY TIME FOR ALL TIMES

	Time	Date	Time	Date	Time Charged
Arrive: Well/ ~~Loc~~	1. <u>09:40</u>	<u>12/3/74</u>	2. _____	_____	
Depart: Well/ ~~Dist~~	1. <u>03:00</u>	<u>12/4/74</u>	2. _____	_____	<u>17:20</u> Hrs.
Gauge Start in Hole	1. <u>13:37</u>	<u>12/3/74</u>	2. <u>14:02</u>	<u>12/3/74</u>	
Gauge Out of Hole	1. <u>02:23</u>	<u>12/4/74</u>	2. <u>01:50</u>	<u>12/4/74</u>	<u>12:46</u> Hrs.
No. Trips	<u>1</u>	Miles	<u>90</u>	Total Mileage	<u>90</u>

Top Gauge #	<u>145</u>	Element #	<u>32763</u>	Range	<u>1000 lbs.</u> Time Mode <u>1 min.</u>
Btm. Gauge #	<u>212</u>	Element #	<u>30947</u>	Range	<u>500</u> ~~1000~~ lbs Time Mode <u>1 min.</u>
Type Tool	Test Depth <u>1327'-1373'</u> Zero Point <u>GROUND LEVEL</u>				
Packer Depth	<u>1327'</u>	Tail Pipe Depth	Top Gauge Depth <u>1261'</u>		
Bottom Hole Temp.	<u>94</u>	Atmos. Temp.	<u>6°-24°</u>	Bottom Gauge Depth	<u>1342</u>

TIME INFORMATION

Time Date

On Bottom	<u>15:38</u>	<u>12/3/74</u>
Packer Set	<u>15:59</u>	<u>12/3/74</u>
Initial Open	<u>16:06</u>	<u>12/3/74</u>
Initial Shut-In	<u>16:08</u>	<u>12/3/74</u>
Start Flow	<u>16:44</u>	<u>12/3/74</u>
Final Shut-In	<u>00:10</u>	<u>12/4/74</u>
Packer Unseated	<u>00:13</u>	<u>12/4/74</u>

PRESSURE INFORMATION

Initial Hydrostatic Mud	_____
Initial Draw Down	_____
Initial Build-Up	_____
Final Flow	_____
Final Build-Up	_____
Final Hydrostatic Mud	_____
Mud Weight	_____

TIME OF SURFACE NULLS

Top Gauge 14:01:55 14:02:55 14:03:55 Bottom Gauge 13:36:30 13:37:30 13:38:30

Remarks _____

JOB NUMBER
SPG-11210-N

DATE OF JOB
DECEMBER 3, 1974

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

PREPARED FOR
ATLANTIC RICHFIELD COMPANY

WELL NUMBER FEDERAL SG-17
FIELD/LEASE TRACT C-B SORGHUM GULCH
COUNTY/PARISH RIO BLANCO
STATE COLORADO
TYPE OF TEST DRILL STEM
REFERENCE ELEV GROUND LEVEL

ADDITIONAL INFORMATION

USED GAUGE 145 WITH 1000 LB. ELEMENT.

GAUGE DEPTH IS 1261 FT. OUTSIDE

D.P. ABOVE PACKER

TEST INTERVAL SURFACE TO 1327 FT.

SET PACKER DEPTH 1327 FT.

INITIAL HYDROSTATIC 361.34 PSI

FINAL HYDROSTATIC 346.06 P.S.I.

GROUND LEVEL REFERENCE 7036 FT.

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447 POINTS REPORTED THIS JOB

PAGE 1 OF 13 PAGES

JOB NUMBER
SPG-11210-N

DATE OF JOB
DECEMBER 3, 1974

GAUGE/RUN NUMBER
145 RUN NO, 14 DST NO, 17

DATE OF RUN
DECEMBER 17, 1974

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0,000	360,339	16 08	DEC 03,1974	SHUT-IN
,018	360,636	16 09	DEC 03,1974	
,036	360,842	16 10	DEC 03,1974	
,054	360,933	16 11	DEC 03,1974	
,071	361,047	16 12	DEC 03,1974	
,089	361,253	16 13	DEC 03,1974	
,107	361,253	16 14	DEC 03,1974	
,125	361,344	16 15	DEC 03,1974	
,143	361,367	16 17	DEC 03,1974	
,161	361,413	16 18	DEC 03,1974	
,179	361,458	16 19	DEC 03,1974	
,196	361,481	16 20	DEC 03,1974	
,214	361,527	16 21	DEC 03,1974	
,232	361,550	16 22	DEC 03,1974	
,250	361,550	16 23	DEC 03,1974	
,268	361,596	16 24	DEC 03,1974	
,286	361,618	16 25	DEC 03,1974	
,304	361,641	16 26	DEC 03,1974	
,321	361,618	16 27	DEC 03,1974	
,339	361,664	16 28	DEC 03,1974	
,357	361,710	16 29	DEC 03,1974	
,375	361,756	16 30	DEC 03,1974	
,393	361,756	16 32	DEC 03,1974	
,411	361,778	16 33	DEC 03,1974	
,429	361,778	16 34	DEC 03,1974	
,446	361,824	16 35	DEC 03,1974	
,464	361,824	16 36	DEC 03,1974	
,482	361,870	16 37	DEC 03,1974	
,500	361,847	16 38	DEC 03,1974	END SHUTIN

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29 POINTS REPORTED THIS RUN

JOB NUMBER
SPG-11210-N

DATE OF JOB
DECEMBER 3, 1974

GAUGE/RUN NUMBER
145 RUN NO. 14 DST NO. 17

DATE OF RUN
DECEMBER 17, 1974

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0.000	362.487	16 44	DEC 03, 1974	START FLOW
.016	362.464	16 45	DEC 03, 1974	
.033	362.395	16 46	DEC 03, 1974	
.049	362.395	16 47	DEC 03, 1974	
.066	362.418	16 48	DEC 03, 1974	
.082	362.441	16 49	DEC 03, 1974	
.098	362.463	16 50	DEC 03, 1974	
.115	362.464	16 51	DEC 03, 1974	
.131	362.532	16 52	DEC 03, 1974	
.148	362.532	16 53	DEC 03, 1974	
.164	362.601	16 54	DEC 03, 1974	
.180	362.624	16 55	DEC 03, 1974	
.197	362.647	16 56	DEC 03, 1974	
.213	362.601	16 57	DEC 03, 1974	
.230	362.624	16 58	DEC 03, 1974	
.246	362.692	16 59	DEC 03, 1974	
.262	362.715	17 00	DEC 03, 1974	
.279	362.738	17 01	DEC 03, 1974	
.295	362.715	17 02	DEC 03, 1974	
.312	362.738	17 03	DEC 03, 1974	
.328	362.738	17 04	DEC 03, 1974	
.345	362.829	17 05	DEC 03, 1974	
.361	362.807	17 06	DEC 03, 1974	
.377	362.875	17 07	DEC 03, 1974	
.394	362.852	17 08	DEC 03, 1974	
.410	362.852	17 09	DEC 03, 1974	
.427	362.875	17 10	DEC 03, 1974	
.443	362.875	17 11	DEC 03, 1974	
.459	362.875	17 12	DEC 03, 1974	
.476	362.944	17 13	DEC 03, 1974	
.492	362.921	17 14	DEC 03, 1974	
.509	362.989	17 15	DEC 03, 1974	
.525	363.012	17 15	DEC 03, 1974	
.541	362.989	17 16	DEC 03, 1974	
.558	363.012	17 17	DEC 03, 1974	
.574	363.035	17 18	DEC 03, 1974	
.591	363.035	17 19	DEC 03, 1974	
.607	363.035	17 20	DEC 03, 1974	
.623	363.035	17 21	DEC 03, 1974	
.640	363.058	17 22	DEC 03, 1974	

JOB NUMBER
SPG-11210-N

DATE OF JOB
DECEMBER 3, 1974

GAUGE/RUN NUMBER
145 RUN NO. 14 DST NO. 17

DATE OF RUN
DECEMBER 17, 1974

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
.656	363.127	17 23	DEC 03, 1974	
.673	363.104	17 24	DEC 03, 1974	
.689	363.149	17 25	DEC 03, 1974	
.705	363.127	17 26	DEC 03, 1974	
.722	363.218	17 27	DEC 03, 1974	
.738	363.172	17 28	DEC 03, 1974	
.755	363.195	17 29	DEC 03, 1974	
.771	363.195	17 30	DEC 03, 1974	
.787	363.218	17 31	DEC 03, 1974	
.804	363.264	17 32	DEC 03, 1974	
.820	363.218	17 33	DEC 03, 1974	
.837	363.241	17 34	DEC 03, 1974	
.853	363.172	17 35	DEC 03, 1974	
.869	363.241	17 36	DEC 03, 1974	
.886	363.264	17 37	DEC 03, 1974	
.902	363.287	17 38	DEC 03, 1974	
.919	363.309	17 39	DEC 03, 1974	
.935	363.355	17 40	DEC 03, 1974	
.951	363.332	17 41	DEC 03, 1974	
.968	363.355	17 42	DEC 03, 1974	
.984	363.355	17 43	DEC 03, 1974	
1.001	363.355	17 44	DEC 03, 1974	
1.017	363.401	17 45	DEC 03, 1974	
1.034	363.446	17 46	DEC 03, 1974	
1.050	363.446	17 47	DEC 03, 1974	
1.066	363.446	17 48	DEC 03, 1974	
1.083	363.424	17 49	DEC 03, 1974	
1.099	363.561	17 50	DEC 03, 1974	
1.116	363.515	17 51	DEC 03, 1974	
1.132	363.515	17 52	DEC 03, 1974	
1.148	363.561	17 53	DEC 03, 1974	
1.165	363.538	17 54	DEC 03, 1974	
1.181	363.561	17 55	DEC 03, 1974	
1.198	363.561	17 56	DEC 03, 1974	
1.214	363.584	17 57	DEC 03, 1974	
1.230	363.538	17 58	DEC 03, 1974	
1.247	363.606	17 59	DEC 03, 1974	
1.263	363.606	18 00	DEC 03, 1974	
1.280	363.652	18 01	DEC 03, 1974	
1.296	363.652	18 02	DEC 03, 1974	

JOB NUMBER
SPG-11210-N

DATE OF JOB
DECEMBER 3, 1974

GAUGE/RUN NUMBER
145 RUN NO. 14 DST NO. 17

DATE OF RUN
DECEMBER 17, 1974

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
1,312	363,629	18 03	DEC 03, 1974	
1,329	363,652	18 04	DEC 03, 1974	
1,345	363,698	18 05	DEC 03, 1974	
1,362	363,744	18 06	DEC 03, 1974	
1,378	363,698	18 07	DEC 03, 1974	
1,394	363,721	18 08	DEC 03, 1974	
1,411	363,744	18 09	DEC 03, 1974	
1,427	363,789	18 10	DEC 03, 1974	
1,444	363,766	18 11	DEC 03, 1974	
1,460	363,812	18 12	DEC 03, 1974	
1,476	363,812	18 13	DEC 03, 1974	START JETTING
1,493	363,812	18 14	DEC 03, 1974	
1,509	363,881	18 15	DEC 03, 1974	
1,526	363,835	18 16	DEC 03, 1974	
1,542	363,812	18 17	DEC 03, 1974	
1,558	363,789	18 18	DEC 03, 1974	
1,575	363,789	18 18	DEC 03, 1974	
1,591	363,789	18 19	DEC 03, 1974	
1,608	363,721	18 20	DEC 03, 1974	
1,624	363,766	18 21	DEC 03, 1974	
1,641	363,698	18 22	DEC 03, 1974	
1,657	363,766	18 23	DEC 03, 1974	
1,673	363,652	18 24	DEC 03, 1974	
1,690	363,675	18 25	DEC 03, 1974	
1,706	363,675	18 26	DEC 03, 1974	
1,723	363,698	18 27	DEC 03, 1974	
1,739	363,675	18 28	DEC 03, 1974	
1,755	363,698	18 29	DEC 03, 1974	
1,772	363,721	18 30	DEC 03, 1974	
1,788	363,721	18 31	DEC 03, 1974	
1,805	363,744	18 32	DEC 03, 1974	
1,821	363,744	18 33	DEC 03, 1974	
1,837	363,744	18 34	DEC 03, 1974	
1,854	363,698	18 35	DEC 03, 1974	
1,870	363,698	18 36	DEC 03, 1974	
1,887	363,652	18 37	DEC 03, 1974	
1,903	363,744	18 38	DEC 03, 1974	
1,919	363,744	18 39	DEC 03, 1974	
1,936	363,744	18 40	DEC 03, 1974	
1,952	363,812	18 41	DEC 03, 1974	

JOB NUMBER
SPG-11210-N

DATE OF JOB
DECEMBER 3, 1974

GAUGE/RUN NUMBER
145 RUN NO. 14 DST NO. 17

DATE OF RUN
DECEMBER 17, 1974

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
1,969	363,812	18 42	DEC 03,1974	
1,985	363,789	18 43	DEC 03,1974	
2,001	363,789	18 44	DEC 03,1974	
2,018	363,789	18 45	DEC 03,1974	
2,034	363,835	18 46	DEC 03,1974	
2,051	363,789	18 47	DEC 03,1974	
2,067	363,789	18 48	DEC 03,1974	
2,083	363,812	18 49	DEC 03,1974	
2,100	363,766	18 50	DEC 03,1974	
2,116	363,835	18 51	DEC 03,1974	
2,133	363,766	18 52	DEC 03,1974	
2,149	363,766	18 53	DEC 03,1974	
2,165	363,789	18 54	DEC 03,1974	
2,182	363,721	18 55	DEC 03,1974	
2,198	363,835	18 56	DEC 03,1974	
2,215	363,766	18 57	DEC 03,1974	
2,231	363,835	18 58	DEC 03,1974	
2,247	363,789	18 59	DEC 03,1974	
2,264	363,858	19 00	DEC 03,1974	
2,280	363,858	19 01	DEC 03,1974	
2,297	363,858	19 02	DEC 03,1974	
2,313	363,835	19 03	DEC 03,1974	
2,330	363,858	19 04	DEC 03,1974	
2,346	363,858	19 05	DEC 03,1974	
2,362	363,903	19 06	DEC 03,1974	
2,379	363,881	19 07	DEC 03,1974	
2,395	363,881	19 08	DEC 03,1974	
2,412	363,926	19 09	DEC 03,1974	
2,428	363,949	19 10	DEC 03,1974	
2,444	363,903	19 11	DEC 03,1974	
2,461	363,949	19 12	DEC 03,1974	
2,477	363,949	19 13	DEC 03,1974	END JETTING
2,494	363,972	19 14	DEC 03,1974	
2,510	363,972	19 15	DEC 03,1974	
2,526	363,972	19 16	DEC 03,1974	
2,543	363,972	19 17	DEC 03,1974	
2,559	363,949	19 18	DEC 03,1974	
2,576	363,949	19 19	DEC 03,1974	
2,592	364,018	19 20	DEC 03,1974	
2,608	364,018	19 21	DEC 03,1974	

JOB NUMBER
8PG-11210-N

DATE OF JOB
DECEMBER 3, 1974

GAUGE/RUN NUMBER
145 RUN NO. 14 DST NO. 17

DATE OF RUN
DECEMBER 17, 1974

SPERRY-SUN
PRECISION SUBSURFACE PRESSURE GAUGE REPORT

DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
2,625	363,995	19 21	DEC 03,1974	
2,641	364,063	19 22	DEC 03,1974	
2,658	364,132	19 23	DEC 03,1974	
2,674	364,178	19 24	DEC 03,1974	
2,690	364,178	19 25	DEC 03,1974	
2,707	364,201	19 26	DEC 03,1974	
2,723	364,201	19 27	DEC 03,1974	
2,740	364,246	19 28	DEC 03,1974	
2,756	364,269	19 29	DEC 03,1974	
2,772	364,338	19 30	DEC 03,1974	
2,789	364,338	19 31	DEC 03,1974	
2,805	364,338	19 32	DEC 03,1974	
2,822	364,383	19 33	DEC 03,1974	
2,838	364,383	19 34	DEC 03,1974	
2,854	364,383	19 35	DEC 03,1974	
2,871	364,383	19 36	DEC 03,1974	
2,887	364,429	19 37	DEC 03,1974	
2,904	364,406	19 38	DEC 03,1974	
2,920	364,475	19 39	DEC 03,1974	
2,937	364,498	19 40	DEC 03,1974	
2,953	364,452	19 41	DEC 03,1974	
2,969	364,498	19 42	DEC 03,1974	
2,986	364,543	19 43	DEC 03,1974	
3,002	364,589	19 44	DEC 03,1974	
3,019	364,520	19 45	DEC 03,1974	
3,035	364,635	19 46	DEC 03,1974	
3,051	364,635	19 47	DEC 03,1974	
3,068	364,635	19 48	DEC 03,1974	
3,084	364,658	19 49	DEC 03,1974	
3,101	364,635	19 50	DEC 03,1974	
3,117	364,658	19 51	DEC 03,1974	
3,133	364,658	19 52	DEC 03,1974	
3,150	364,658	19 53	DEC 03,1974	
3,166	364,635	19 54	DEC 03,1974	
3,183	364,680	19 55	DEC 03,1974	
3,199	364,726	19 56	DEC 03,1974	
3,215	364,726	19 57	DEC 03,1974	
3,232	364,703	19 58	DEC 03,1974	
3,248	364,726	19 59	DEC 03,1974	
3,265	364,817	20 00	DEC 03,1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
3,281	364,726	20 01	DEC 03,1974	
3,297	364,840	20 02	DEC 03,1974	
3,314	364,863	20 03	DEC 03,1974	
3,330	364,863	20 04	DEC 03,1974	
3,347	364,817	20 05	DEC 03,1974	
3,363	364,817	20 06	DEC 03,1974	
3,379	364,809	20 07	DEC 03,1974	
3,396	364,809	20 08	DEC 03,1974	
3,412	364,886	20 09	DEC 03,1974	
3,429	364,955	20 10	DEC 03,1974	
3,445	364,932	20 11	DEC 03,1974	
3,461	365,000	20 12	DEC 03,1974	
3,478	365,023	20 13	DEC 03,1974	
3,494	364,955	20 14	DEC 03,1974	
3,511	364,955	20 15	DEC 03,1974	
3,527	364,977	20 16	DEC 03,1974	
3,543	365,023	20 17	DEC 03,1974	
3,560	365,023	20 18	DEC 03,1974	
3,576	365,023	20 19	DEC 03,1974	
3,593	365,092	20 20	DEC 03,1974	
3,609	365,092	20 21	DEC 03,1974	
3,626	365,115	20 22	DEC 03,1974	
3,642	365,160	20 23	DEC 03,1974	
3,658	365,069	20 23	DEC 03,1974	
3,675	365,069	20 24	DEC 03,1974	
3,691	365,183	20 25	DEC 03,1974	
3,708	365,137	20 26	DEC 03,1974	
3,724	365,115	20 27	DEC 03,1974	
3,740	365,137	20 28	DEC 03,1974	
3,757	365,137	20 29	DEC 03,1974	
3,773	365,206	20 30	DEC 03,1974	
3,790	365,160	20 31	DEC 03,1974	
3,806	365,160	20 32	DEC 03,1974	
3,822	365,183	20 33	DEC 03,1974	
3,839	365,183	20 34	DEC 03,1974	
3,855	365,206	20 35	DEC 03,1974	
3,872	365,229	20 36	DEC 03,1974	
3,888	365,274	20 37	DEC 03,1974	
3,904	365,252	20 38	DEC 03,1974	
3,921	365,252	20 39	DEC 03,1974	

3 G/M INSIDE
DRILL PIPE

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3.937	365.297	20 40	DEC 03, 1974	
3.954	365.320	20 41	DEC 03, 1974	
3.970	365.320	20 42	DEC 03, 1974	
3.986	365.343	20 43	DEC 03, 1974	
4.003	365.366	20 44	DEC 03, 1974	
4.019	365.366	20 45	DEC 03, 1974	
4.036	365.412	20 46	DEC 03, 1974	
4.052	365.412	20 47	DEC 03, 1974	
4.068	365.412	20 48	DEC 03, 1974	
4.085	365.412	20 49	DEC 03, 1974	
4.101	365.412	20 50	DEC 03, 1974	5 G/M INSIDE
4.118	365.480	20 51	DEC 03, 1974	DRILL PIPE
4.134	365.434	20 52	DEC 03, 1974	
4.150	365.480	20 53	DEC 03, 1974	
4.167	365.503	20 54	DEC 03, 1974	
4.183	365.480	20 55	DEC 03, 1974	
4.200	365.526	20 56	DEC 03, 1974	
4.216	365.503	20 57	DEC 03, 1974	
4.233	365.526	20 58	DEC 03, 1974	
4.249	365.572	20 59	DEC 03, 1974	
4.265	365.572	21 00	DEC 03, 1974	
4.282	365.572	21 01	DEC 03, 1974	
4.298	365.572	21 02	DEC 03, 1974	
4.315	365.617	21 03	DEC 03, 1974	
4.331	365.640	21 04	DEC 03, 1974	
4.347	365.640	21 05	DEC 03, 1974	10 G/M INSIDE
4.364	365.617	21 06	DEC 03, 1974	DRILL PIPE
4.380	346.057	21 07	DEC 03, 1974	
4.397	365.640	21 08	DEC 03, 1974	
4.413	365.663	21 09	DEC 03, 1974	
4.429	365.709	21 10	DEC 03, 1974	
4.446	365.754	21 11	DEC 03, 1974	
4.462	365.731	21 12	DEC 03, 1974	
4.479	365.754	21 13	DEC 03, 1974	
4.495	365.800	21 14	DEC 03, 1974	
4.511	365.800	21 15	DEC 03, 1974	
4.528	365.800	21 16	DEC 03, 1974	
4.544	365.869	21 17	DEC 03, 1974	
4.561	365.846	21 18	DEC 03, 1974	
4.577	365.891	21 19	DEC 03, 1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
4,593	365,914	21 20	DEC 03, 1974	20 G/M INSIDE DRILL PIPE
4,610	365,960	21 21	DEC 03, 1974	
4,626	365,960	21 22	DEC 03, 1974	
4,643	365,983	21 23	DEC 03, 1974	
4,659	365,914	21 24	DEC 03, 1974	
4,675	365,891	21 25	DEC 03, 1974	
4,692	365,983	21 26	DEC 03, 1974	
4,708	365,960	21 26	DEC 03, 1974	
4,725	365,960	21 27	DEC 03, 1974	
4,741	365,937	21 28	DEC 03, 1974	
4,757	365,983	21 29	DEC 03, 1974	
4,774	365,960	21 30	DEC 03, 1974	
4,790	365,983	21 31	DEC 03, 1974	
4,807	365,960	21 32	DEC 03, 1974	
4,823	366,029	21 33	DEC 03, 1974	
4,839	365,983	21 34	DEC 03, 1974	
4,856	365,983	21 35	DEC 03, 1974	
4,872	365,960	21 36	DEC 03, 1974	
4,889	366,051	21 37	DEC 03, 1974	
4,905	365,983	21 38	DEC 03, 1974	
4,922	366,029	21 39	DEC 03, 1974	4/ G/M INSIDE DRILL PIPE
4,938	366,029	21 40	DEC 03, 1974	
4,954	366,074	21 41	DEC 03, 1974	
4,971	366,029	21 42	DEC 03, 1974	
4,987	366,097	21 43	DEC 03, 1974	
5,004	366,074	21 44	DEC 03, 1974	
5,020	366,074	21 45	DEC 03, 1974	
5,036	366,097	21 46	DEC 03, 1974	
5,053	366,097	21 47	DEC 03, 1974	
5,069	366,097	21 48	DEC 03, 1974	
5,086	366,143	21 49	DEC 03, 1974	60 G/M INSIDE DRILL PIPE
5,102	366,097	21 50	DEC 03, 1974	
5,118	366,097	21 51	DEC 03, 1974	
5,135	366,234	21 52	DEC 03, 1974	
5,151	366,326	21 53	DEC 03, 1974	
5,168	366,486	21 54	DEC 03, 1974	
5,184	366,623	21 55	DEC 03, 1974	
5,200	366,760	21 56	DEC 03, 1974	
5,217	366,897	21 57	DEC 03, 1974	
5,233	367,102	21 58	DEC 03, 1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
5,250	367,217	21 59	DEC 03, 1974	
5,266	367,354	22 00	DEC 03, 1974	
5,282	367,537	22 01	DEC 03, 1974	
5,299	367,628	22 02	DEC 03, 1974	
5,315	367,765	22 03	DEC 03, 1974	
5,332	367,902	22 04	DEC 03, 1974	
5,348	368,017	22 05	DEC 03, 1974	OVERFLOW
5,364	368,085	22 06	DEC 03, 1974	52 G/M INSIDE
5,381	368,154	22 07	DEC 03, 1974	DRILL PIPE
5,397	368,199	22 08	DEC 03, 1974	
5,414	368,314	22 09	DEC 03, 1974	
5,430	368,405	22 10	DEC 03, 1974	
5,446	368,451	22 11	DEC 03, 1974	
5,463	368,565	22 12	DEC 03, 1974	
5,479	368,611	22 13	DEC 03, 1974	
5,496	368,633	22 14	DEC 03, 1974	
5,512	368,702	22 15	DEC 03, 1974	
5,529	368,816	22 16	DEC 03, 1974	
5,545	368,839	22 17	DEC 03, 1974	
5,561	368,885	22 18	DEC 03, 1974	
5,578	368,931	22 19	DEC 03, 1974	
5,594	368,999	22 20	DEC 03, 1974	
5,611	369,045	22 21	DEC 03, 1974	
5,627	369,090	22 22	DEC 03, 1974	
5,643	369,136	22 23	DEC 03, 1974	
5,660	369,159	22 24	DEC 03, 1974	
5,676	369,228	22 25	DEC 03, 1974	START DECLINE
5,693	369,250	22 26	DEC 03, 1974	
5,709	369,182	22 27	DEC 03, 1974	
5,725	369,113	22 28	DEC 03, 1974	
5,742	368,953	22 29	DEC 03, 1974	
5,758	368,725	22 29	DEC 03, 1974	
5,775	368,565	22 30	DEC 03, 1974	
5,791	368,405	22 31	DEC 03, 1974	
5,807	368,268	22 32	DEC 03, 1974	
5,824	368,154	22 33	DEC 03, 1974	
5,840	368,017	22 34	DEC 03, 1974	
5,857	367,971	22 35	DEC 03, 1974	
5,873	367,902	22 36	DEC 03, 1974	
5,889	367,834	22 37	DEC 03, 1974	

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5,000	367,712	22 38	DEC 03, 1974	
5,922	367,697	22 39	DEC 03, 1974	
5,939	367,719	22 40	DEC 03, 1974	20 G/M ANNULUS
5,955	368,885	22 41	DEC 03, 1974	
5,971	369,639	22 42	DEC 03, 1974	
5,988	370,210	22 43	DEC 03, 1974	
6,004	370,657	22 44	DEC 03, 1974	
6,021	370,964	22 45	DEC 03, 1974	
6,037	371,284	22 46	DEC 03, 1974	
6,053	371,513	22 47	DEC 03, 1974	
6,070	371,741	22 48	DEC 03, 1974	
6,086	371,832	22 49	DEC 03, 1974	
6,103	371,947	22 50	DEC 03, 1974	
6,119	372,130	22 51	DEC 03, 1974	
6,135	372,198	22 52	DEC 03, 1974	
6,152	372,290	22 53	DEC 03, 1974	
6,168	372,335	22 54	DEC 03, 1974	
6,185	372,404	22 55	DEC 03, 1974	
6,201	372,449	22 56	DEC 03, 1974	
6,218	372,518	22 57	DEC 03, 1974	
6,234	372,564	22 58	DEC 03, 1974	
6,250	372,632	22 59	DEC 03, 1974	
6,267	373,889	23 00	DEC 03, 1974	40 G/M ANNULUS
6,283	375,854	23 01	DEC 03, 1974	
6,300	377,294	23 02	DEC 03, 1974	
6,316	378,436	23 03	DEC 03, 1974	
6,332	379,464	23 04	DEC 03, 1974	
6,349	380,378	23 05	DEC 03, 1974	
6,365	381,155	23 06	DEC 03, 1974	
6,382	381,795	23 07	DEC 03, 1974	
6,398	382,481	23 08	DEC 03, 1974	
6,414	382,869	23 09	DEC 03, 1974	
6,431	383,395	23 10	DEC 03, 1974	
6,447	383,897	23 11	DEC 03, 1974	
6,464	384,263	23 12	DEC 03, 1974	
6,480	384,674	23 13	DEC 03, 1974	
6,496	384,926	23 14	DEC 03, 1974	
6,513	385,177	23 15	DEC 03, 1974	
6,529	385,657	23 16	DEC 03, 1974	
6,546	385,954	23 17	DEC 03, 1974	

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6,572	386,110	23 18	DEC 03, 1974	
6,578	386,434	23 19	DEC 03, 1974	
6,595	388,010	23 20	DEC 03, 1974	60 G/M ANNULUS
6,611	389,519	23 21	DEC 03, 1974	
6,628	390,981	23 22	DEC 03, 1974	
6,644	392,101	23 23	DEC 03, 1974	
6,660	393,033	23 24	DEC 03, 1974	
6,677	394,066	23 25	DEC 03, 1974	
6,693	394,934	23 26	DEC 03, 1974	
6,710	395,780	23 27	DEC 03, 1974	
6,726	396,534	23 28	DEC 03, 1974	
6,742	397,265	23 29	DEC 03, 1974	
6,759	397,905	23 30	DEC 03, 1974	
6,775	398,522	23 31	DEC 03, 1974	
6,792	399,116	23 32	DEC 03, 1974	
6,808	399,575	23 32	DEC 03, 1974	
6,825	400,101	23 33	DEC 03, 1974	
6,841	400,009	23 34	DEC 03, 1974	
6,857	399,276	23 35	DEC 03, 1974	40 G/M ANNULUS
6,874	398,659	23 36	DEC 03, 1974	
6,890	398,110	23 37	DEC 03, 1974	
6,907	397,653	23 38	DEC 03, 1974	
6,923	397,288	23 39	DEC 03, 1974	
6,939	396,991	23 40	DEC 03, 1974	
6,956	396,739	23 41	DEC 03, 1974	
6,972	396,579	23 42	DEC 03, 1974	
6,989	396,397	23 43	DEC 03, 1974	
7,005	396,305	23 44	DEC 03, 1974	
7,021	396,214	23 45	DEC 03, 1974	
7,038	396,145	23 46	DEC 03, 1974	
7,054	396,122	23 47	DEC 03, 1974	
7,071	396,099	23 48	DEC 03, 1974	
7,087	395,757	23 49	DEC 03, 1974	
7,103	395,323	23 50	DEC 03, 1974	DECLINE
7,120	389,244	23 51	DEC 03, 1974	
7,136	386,160	23 52	DEC 03, 1974	
7,153	383,669	23 53	DEC 03, 1974	
7,169	381,544	23 54	DEC 03, 1974	
7,185	379,830	23 55	DEC 03, 1974	
7,202	378,322	23 56	DEC 03, 1974	

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7,218	377,042	27 57	DEC 03, 1974	
7,235	375,923	23 58	DEC 03, 1974	
7,251	374,986	23 59	DEC 03, 1974	
7,267	374,095	00 00	DEC 04, 1974	
7,284	373,432	00 01	DEC 04, 1974	
7,300	372,884	00 02	DEC 04, 1974	
7,317	373,295	00 03	DEC 04, 1974	END FLOW

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PREPARED FOR

ATLANTIC RICHFIELD COMPANY

WELL NUMBER FEDERAL SG-17
FIELD/LEASE TRACT C-B SORGHUM GULCH
COUNTY/PARISH RIO BLANCO
STATE COLORADO
TYPE OF TEST DRILL STEM
REFERENCE ELEV GROUND LEVEL

ADDITIONAL INFORMATION

USED GAUGE 212 WITH 500 LB. ELEMENT
GAUGE DEPTH IS 1342 FT. INSIDE D.P.
BELOW PACKER
TEST INTERVAL 1327 TO 1373 FT.
SET PACKER DEPTH 1327 FT.
INITIAL HYDROSTATIC 382.53 PSI
FINAL HYDROSTATIC 388.83 PSI
GROUND LEVEL REFERENCE 7036 FT.

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0.000	270.941	16 08	DEC 03, 1974	INITIAL SHUTIN
.017	330.240	16 09	DEC 03, 1974	
.033	380.316	16 10	DEC 03, 1974	
.050	381.385	16 11	DEC 03, 1974	
.067	381.756	16 12	DEC 03, 1974	
.083	381.896	16 13	DEC 03, 1974	
.100	382.024	16 14	DEC 03, 1974	
.117	382.070	16 15	DEC 03, 1974	
.133	382.128	16 16	DEC 03, 1974	
.150	382.175	16 17	DEC 03, 1974	
.167	382.233	16 18	DEC 03, 1974	
.183	382.244	16 19	DEC 03, 1974	
.200	382.291	16 20	DEC 03, 1974	
.217	382.314	16 21	DEC 03, 1974	
.233	382.337	16 22	DEC 03, 1974	
.250	382.360	16 23	DEC 03, 1974	
.267	382.407	16 24	DEC 03, 1974	
.283	382.430	16 25	DEC 03, 1974	
.300	382.453	16 26	DEC 03, 1974	
.317	382.477	16 27	DEC 03, 1974	
.333	382.488	16 28	DEC 03, 1974	
.350	382.500	16 29	DEC 03, 1974	
.367	382.535	16 30	DEC 03, 1974	
.383	382.581	16 31	DEC 03, 1974	
.400	382.581	16 32	DEC 03, 1974	
.417	382.616	16 33	DEC 03, 1974	
.433	382.628	16 34	DEC 03, 1974	
.450	382.651	16 35	DEC 03, 1974	
.467	382.662	16 36	DEC 03, 1974	
.483	382.686	16 37	DEC 03, 1974	
.500	382.709	16 38	DEC 03, 1974	END SHUTIN

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
0.000	352.825	16 44	DEC 03, 1974	START FLOW
.017	365.064	16 45	DEC 03, 1974	
.033	367.341	16 46	DEC 03, 1974	
.050	377.110	16 47	DEC 03, 1974	
.067	381.350	16 48	DEC 03, 1974	
.084	382.082	16 49	DEC 03, 1974	
.100	382.302	16 50	DEC 03, 1974	
.117	382.418	16 51	DEC 03, 1974	
.134	382.511	16 52	DEC 03, 1974	
.151	382.581	16 53	DEC 03, 1974	
.167	382.628	16 54	DEC 03, 1974	
.184	382.662	16 55	DEC 03, 1974	
.201	382.709	16 56	DEC 03, 1974	
.218	382.755	16 57	DEC 03, 1974	
.234	382.790	16 58	DEC 03, 1974	
.251	382.813	16 59	DEC 03, 1974	
.268	382.840	17 00	DEC 03, 1974	
.285	382.883	17 01	DEC 03, 1974	
.301	382.906	17 02	DEC 03, 1974	
.318	382.918	17 03	DEC 03, 1974	
.335	382.976	17 04	DEC 03, 1974	
.352	382.976	17 05	DEC 03, 1974	
.368	383.011	17 06	DEC 03, 1974	
.385	383.034	17 07	DEC 03, 1974	
.402	383.057	17 08	DEC 03, 1974	
.419	383.092	17 09	DEC 03, 1974	
.435	383.092	17 10	DEC 03, 1974	
.452	383.139	17 11	DEC 03, 1974	
.469	383.162	17 12	DEC 03, 1974	
.486	383.185	17 13	DEC 03, 1974	
.502	383.185	17 14	DEC 03, 1974	
.519	383.220	17 15	DEC 03, 1974	
.536	383.255	17 16	DEC 03, 1974	
.553	383.278	17 17	DEC 03, 1974	
.569	383.290	17 18	DEC 03, 1974	
.586	383.301	17 19	DEC 03, 1974	
.603	383.324	17 20	DEC 03, 1974	
.619	383.336	17 21	DEC 03, 1974	
.636	383.359	17 22	DEC 03, 1974	
.653	383.359	17 23	DEC 03, 1974	

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.670	383.394	17 24	DEC 03, 1974	
.686	383.429	17 25	DEC 03, 1974	
.703	383.452	17 26	DEC 03, 1974	
.720	383.464	17 27	DEC 03, 1974	
.737	383.487	17 28	DEC 03, 1974	
.753	383.510	17 29	DEC 03, 1974	
.770	383.510	17 30	DEC 03, 1974	
.787	383.545	17 31	DEC 03, 1974	
.804	383.557	17 32	DEC 03, 1974	
.820	383.568	17 33	DEC 03, 1974	
.837	383.592	17 34	DEC 03, 1974	
.854	383.627	17 35	DEC 03, 1974	
.871	383.627	17 36	DEC 03, 1974	
.887	383.650	17 37	DEC 03, 1974	
.904	383.661	17 38	DEC 03, 1974	
.921	383.673	17 39	DEC 03, 1974	
.938	383.719	17 40	DEC 03, 1974	
.954	383.719	17 41	DEC 03, 1974	
.971	383.731	17 42	DEC 03, 1974	
.988	383.754	17 43	DEC 03, 1974	
1.005	383.778	17 44	DEC 03, 1974	
1.021	383.789	17 45	DEC 03, 1974	
1.038	383.801	17 46	DEC 03, 1974	
1.055	383.824	17 47	DEC 03, 1974	
1.072	383.859	17 48	DEC 03, 1974	
1.088	383.859	17 49	DEC 03, 1974	
1.105	383.882	17 50	DEC 03, 1974	
1.122	383.836	17 51	DEC 03, 1974	
1.139	383.894	17 52	DEC 03, 1974	
1.155	383.929	17 53	DEC 03, 1974	
1.172	383.952	17 54	DEC 03, 1974	
1.189	383.975	17 55	DEC 03, 1974	
1.205	384.010	17 56	DEC 03, 1974	
1.222	383.998	17 57	DEC 03, 1974	
1.239	384.033	17 58	DEC 03, 1974	
1.256	384.045	17 59	DEC 03, 1974	
1.272	384.068	18 00	DEC 03, 1974	
1.289	384.695	18 01	DEC 03, 1974	
1.306	384.114	18 02	DEC 03, 1974	
1.323	384.126	18 03	DEC 03, 1974	

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DELTA TIME	PRESSURE (PSI)	TIME HR MIN	DATE	COMMENTS
1,339	384,056	18 04	DEC 03,1974	
1,356	385,171	18 05	DEC 03,1974	
1,373	384,172	18 06	DEC 03,1974	
1,390	384,184	18 07	DEC 03,1974	
1,406	384,184	18 08	DEC 03,1974	
1,423	384,207	18 09	DEC 03,1974	
1,440	384,231	18 10	DEC 03,1974	
1,457	384,242	18 11	DEC 03,1974	
1,473	384,242	18 12	DEC 03,1974	
1,490	394,383	18 13	DEC 03,1974	START JETTING
1,507	381,141	18 14	DEC 03,1974	
1,524	376,065	18 15	DEC 03,1974	
1,540	379,247	18 16	DEC 03,1974	
1,557	379,956	18 17	DEC 03,1974	
1,574	380,606	18 18	DEC 03,1974	
1,591	380,177	18 19	DEC 03,1974	
1,607	380,455	18 20	DEC 03,1974	
1,624	380,351	18 21	DEC 03,1974	
1,641	379,758	18 22	DEC 03,1974	
1,658	379,096	18 23	DEC 03,1974	
1,674	379,619	18 24	DEC 03,1974	
1,691	379,805	18 25	DEC 03,1974	
1,708	379,631	18 26	DEC 03,1974	
1,725	379,758	18 27	DEC 03,1974	
1,741	379,724	18 28	DEC 03,1974	
1,758	379,735	18 29	DEC 03,1974	
1,775	379,700	18 30	DEC 03,1974	
1,791	379,712	18 31	DEC 03,1974	
1,808	379,735	18 32	DEC 03,1974	
1,825	379,677	18 33	DEC 03,1974	
1,842	379,631	18 35	DEC 03,1974	
1,858	379,665	18 36	DEC 03,1974	
1,875	379,863	18 37	DEC 03,1974	
1,892	379,584	18 38	DEC 03,1974	
1,909	379,712	18 39	DEC 03,1974	
1,925	379,665	18 40	DEC 03,1974	
1,942	379,689	18 41	DEC 03,1974	
1,959	379,538	18 42	DEC 03,1974	
1,976	379,665	18 43	DEC 03,1974	
1,992	379,619	18 44	DEC 03,1974	

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2,009	379,619	18 45	DEC 03, 1974	
2,026	379,642	18 46	DEC 03, 1974	
2,043	379,596	18 47	DEC 03, 1974	
2,059	379,619	18 48	DEC 03, 1974	
2,076	379,619	18 49	DEC 03, 1974	
2,093	379,596	18 50	DEC 03, 1974	
2,110	379,642	18 51	DEC 03, 1974	
2,126	379,596	18 52	DEC 03, 1974	
2,143	379,607	18 53	DEC 03, 1974	
2,160	379,665	18 54	DEC 03, 1974	
2,177	379,584	18 55	DEC 03, 1974	
2,193	379,642	18 56	DEC 03, 1974	
2,210	379,584	18 57	DEC 03, 1974	
2,227	379,654	18 58	DEC 03, 1974	
2,244	379,607	18 59	DEC 03, 1974	
2,260	379,573	19 00	DEC 03, 1974	
2,277	379,584	19 01	DEC 03, 1974	
2,294	379,665	19 02	DEC 03, 1974	
2,311	379,642	19 03	DEC 03, 1974	
2,327	379,607	19 04	DEC 03, 1974	
2,344	379,561	19 05	DEC 03, 1974	
2,361	379,619	19 06	DEC 03, 1974	
2,377	379,596	19 07	DEC 03, 1974	
2,394	379,596	19 08	DEC 03, 1974	
2,411	379,665	19 09	DEC 03, 1974	
2,428	379,619	19 10	DEC 03, 1974	
2,444	379,642	19 11	DEC 03, 1974	
2,461	379,631	19 12	DEC 03, 1974	
2,478	379,607	19 13	DEC 03, 1974	END JETTING
2,495	373,881	19 14	DEC 03, 1974	
2,511	383,150	19 15	DEC 03, 1974	
2,528	383,313	19 16	DEC 03, 1974	
2,545	383,766	19 17	DEC 03, 1974	
2,562	383,615	19 18	DEC 03, 1974	
2,578	383,952	19 19	DEC 03, 1974	
2,595	383,557	19 20	DEC 03, 1974	
2,612	384,091	19 21	DEC 03, 1974	
2,629	384,138	19 22	DEC 03, 1974	
2,645	384,196	19 23	DEC 03, 1974	
2,662	384,242	19 24	DEC 03, 1974	

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2,679	384,200	19 25	DEC 03, 1974	
2,696	383,929	19 26	DEC 03, 1974	
2,712	383,952	19 27	DEC 03, 1974	
2,729	384,277	19 28	DEC 03, 1974	
2,746	384,312	19 29	DEC 03, 1974	
2,763	384,184	19 30	DEC 03, 1974	
2,779	384,474	19 31	DEC 03, 1974	
2,796	384,509	19 32	DEC 03, 1974	
2,813	384,544	19 33	DEC 03, 1974	
2,830	384,567	19 34	DEC 03, 1974	
2,846	384,602	19 35	DEC 03, 1974	
2,863	384,637	19 36	DEC 03, 1974	
2,880	384,649	19 37	DEC 03, 1974	
2,897	384,695	19 38	DEC 03, 1974	
2,913	384,718	19 39	DEC 03, 1974	
2,930	384,753	19 40	DEC 03, 1974	
2,947	384,788	19 41	DEC 03, 1974	
2,963	384,788	19 42	DEC 03, 1974	
2,980	384,823	19 43	DEC 03, 1974	
2,997	384,846	19 44	DEC 03, 1974	
3,014	384,869	19 45	DEC 03, 1974	
3,030	384,881	19 46	DEC 03, 1974	
3,047	384,916	19 47	DEC 03, 1974	
3,064	384,939	19 48	DEC 03, 1974	
3,081	384,962	19 49	DEC 03, 1974	
3,097	384,974	19 50	DEC 03, 1974	
3,114	384,997	19 51	DEC 03, 1974	
3,131	385,032	19 52	DEC 03, 1974	
3,148	385,044	19 53	DEC 03, 1974	
3,164	385,044	19 54	DEC 03, 1974	
3,181	385,090	19 55	DEC 03, 1974	
3,198	385,102	19 56	DEC 03, 1974	
3,215	385,113	19 57	DEC 03, 1974	
3,231	385,137	19 58	DEC 03, 1974	
3,248	385,148	19 59	DEC 03, 1974	
3,265	385,160	20 00	DEC 03, 1974	
3,282	385,183	20 01	DEC 03, 1974	
3,298	385,206	20 02	DEC 03, 1974	
3,315	385,218	20 03	DEC 03, 1974	
3,332	385,241	20 04	DEC 03, 1974	

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3,349	385,241	20 05	DEC 03, 1974	
3,365	385,264	20 06	DEC 03, 1974	
3,382	385,299	20 07	DEC 03, 1974	
3,399	385,322	20 08	DEC 03, 1974	
3,416	385,311	20 09	DEC 03, 1974	
3,432	385,334	20 10	DEC 03, 1974	
3,449	385,337	20 11	DEC 03, 1974	
3,466	385,381	20 12	DEC 03, 1974	
3,483	385,392	20 13	DEC 03, 1974	
3,499	385,392	20 14	DEC 03, 1974	
3,516	385,439	20 15	DEC 03, 1974	
3,533	385,415	20 16	DEC 03, 1974	
3,549	385,450	20 17	DEC 03, 1974	
3,566	385,473	20 18	DEC 03, 1974	
3,583	385,485	20 19	DEC 03, 1974	
3,600	385,508	20 20	DEC 03, 1974	
3,616	385,520	20 21	DEC 03, 1974	
3,633	385,532	20 22	DEC 03, 1974	
3,650	385,555	20 23	DEC 03, 1974	
3,667	385,566	20 24	DEC 03, 1974	
3,683	385,578	20 25	DEC 03, 1974	
3,700	385,590	20 26	DEC 03, 1974	
3,717	385,601	20 27	DEC 03, 1974	
3,734	385,624	20 28	DEC 03, 1974	
3,750	385,648	20 29	DEC 03, 1974	
3,767	385,659	20 30	DEC 03, 1974	
3,784	385,683	20 31	DEC 03, 1974	
3,801	385,694	20 32	DEC 03, 1974	
3,817	385,694	20 33	DEC 03, 1974	
3,834	385,717	20 34	DEC 03, 1974	
3,851	385,729	20 35	DEC 03, 1974	3 G/M INSIDE DRILL PIPE
3,868	385,741	20 36	DEC 03, 1974	
3,884	385,764	20 37	DEC 03, 1974	
3,901	386,379	20 38	DEC 03, 1974	
3,918	386,519	20 39	DEC 03, 1974	
3,935	386,589	20 40	DEC 03, 1974	
3,951	386,623	20 41	DEC 03, 1974	
3,968	386,635	20 42	DEC 03, 1974	
3,985	386,693	20 43	DEC 03, 1974	
4,002	386,728	20 44	DEC 03, 1974	

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4.010	386.740	20 45	DEC 03, 1974	
4.035	386.774	20 46	DEC 03, 1974	
4.052	386.798	20 47	DEC 03, 1974	
4.069	386.821	20 48	DEC 03, 1974	
4.085	386.844	20 49	DEC 03, 1974	
4.102	386.844	20 50	DEC 03, 1974	5 G/M INSIDE
4.119	386.841	20 51	DEC 03, 1974	DRILL PIPE
4.135	387.344	20 52	DEC 03, 1974	
4.152	387.367	20 53	DEC 03, 1974	
4.169	387.355	20 54	DEC 03, 1974	
4.186	387.390	20 55	DEC 03, 1974	
4.202	387.425	20 56	DEC 03, 1974	
4.219	387.425	20 57	DEC 03, 1974	
4.236	387.460	20 58	DEC 03, 1974	
4.253	387.495	20 59	DEC 03, 1974	
4.269	387.541	21 00	DEC 03, 1974	
4.286	387.541	21 01	DEC 03, 1974	
4.303	387.564	21 02	DEC 03, 1974	
4.320	387.588	21 03	DEC 03, 1974	
4.336	387.611	21 04	DEC 03, 1974	
4.353	387.622	21 05	DEC 03, 1974	10 G/M INSIDE
4.370	388.203	21 06	DEC 03, 1974	DRILL PIPE
4.387	389.074	21 07	DEC 03, 1974	
4.403	389.249	21 08	DEC 03, 1974	
4.420	389.121	21 09	DEC 03, 1974	
4.437	388.668	21 10	DEC 03, 1974	
4.454	388.656	21 11	DEC 03, 1974	
4.470	388.772	21 12	DEC 03, 1974	
4.487	388.784	21 13	DEC 03, 1974	
4.504	388.854	21 14	DEC 03, 1974	
4.521	389.098	21 15	DEC 03, 1974	
4.537	389.249	21 16	DEC 03, 1974	
4.554	389.527	21 17	DEC 03, 1974	
4.571	389.295	21 18	DEC 03, 1974	
4.588	389.283	21 19	DEC 03, 1974	
4.604	389.318	21 20	DEC 03, 1974	20 G/M INSIDE
4.621	388.865	21 21	DEC 03, 1974	DRILL PIPE
4.638	387.797	21 22	DEC 03, 1974	
4.655	387.564	21 23	DEC 03, 1974	
4.671	387.576	21 24	DEC 03, 1974	

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4.688	387.553	21 25	DEC 03, 1974	
4.705	387.553	21 26	DEC 03, 1974	
4.721	387.541	21 27	DEC 03, 1974	
4.738	387.541	21 28	DEC 03, 1974	
4.755	387.541	21 29	DEC 03, 1974	
4.772	387.541	21 30	DEC 03, 1974	
4.788	387.541	21 31	DEC 03, 1974	
4.805	387.553	21 32	DEC 03, 1974	
4.822	387.564	21 33	DEC 03, 1974	
4.839	387.553	21 34	DEC 03, 1974	
4.855	387.576	21 35	DEC 03, 1974	
4.872	387.576	21 36	DEC 03, 1974	
4.889	387.588	21 37	DEC 03, 1974	
4.906	387.622	21 38	DEC 03, 1974	
4.922	387.599	21 39	DEC 03, 1974	
4.939	387.611	21 40	DEC 03, 1974	
4.956	387.634	21 41	DEC 03, 1974	
4.973	387.646	21 42	DEC 03, 1974	
4.989	387.634	21 43	DEC 03, 1974	
5.006	387.646	21 44	DEC 03, 1974	
5.023	387.646	21 45	DEC 03, 1974	
5.040	387.669	21 46	DEC 03, 1974	
5.056	387.692	21 47	DEC 03, 1974	
5.073	387.820	21 48	DEC 03, 1974	
5.090	387.785	21 49	DEC 03, 1974	
5.107	387.878	21 50	DEC 03, 1974	40 G/M INSIDE
5.123	393.314	21 51	DEC 03, 1974	DRILL PIPE
5.140	401.004	21 52	DEC 03, 1974	
5.157	406.928	21 53	DEC 03, 1974	
5.174	410.006	21 54	DEC 03, 1974	
5.190	411.772	21 55	DEC 03, 1974	60 G/M INSIDE
5.207	413.061	21 56	DEC 03, 1974	DRILL PIPE
5.224	428.778	21 57	DEC 03, 1974	
5.241	438.198	21 58	DEC 03, 1974	
5.257	445.261	21 59	DEC 03, 1974	
5.274	459.897	22 00	DEC 03, 1974	
5.291	467.830	22 01	DEC 03, 1974	
5.307	473.290	22 02	DEC 03, 1974	
5.324	475.822	22 03	DEC 03, 1974	
5.341	479.086	22 04	DEC 03, 1974	

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5,358	432,652	22 05	DEC 03, 1974	OVERFLOW
5,374	485,684	22 06	DEC 03, 1974	52 G/M INSIDE
5,391	488,251	22 07	DEC 03, 1974	DRILL PIPE
5,408	490,748	22 08	DEC 03, 1974	
5,425	492,317	22 09	DEC 03, 1974	
5,441	493,525	22 10	DEC 03, 1974	
5,458	494,733	22 11	DEC 03, 1974	
5,475	495,976	22 12	DEC 03, 1974	
5,492	496,765	22 14	DEC 03, 1974	
5,508	497,660	22 15	DEC 03, 1974	
5,525	498,659	22 16	DEC 03, 1974	
5,542	499,147	22 17	DEC 03, 1974	
5,559	499,472	22 18	DEC 03, 1974	
5,575	499,971	22 19	DEC 03, 1974	
5,592	500,575	22 20	DEC 03, 1974	
5,609	500,901	22 21	DEC 03, 1974	
5,626	501,307	22 22	DEC 03, 1974	
5,642	501,656	22 23	DEC 03, 1974	
5,659	488,030	22 24	DEC 03, 1974	
5,676	480,364	22 25	DEC 03, 1974	START DECLINE
5,693	466,599	22 26	DEC 03, 1974	
5,709	453,148	22 27	DEC 03, 1974	
5,726	449,930	22 28	DEC 03, 1974	
5,743	436,665	22 29	DEC 03, 1974	
5,760	425,455	22 30	DEC 03, 1974	
5,776	412,550	22 31	DEC 03, 1974	
5,793	408,926	22 32	DEC 03, 1974	
5,810	398,692	22 33	DEC 03, 1974	
5,827	394,487	22 34	DEC 03, 1974	
5,843	393,163	22 35	DEC 03, 1974	
5,860	392,664	22 36	DEC 03, 1974	
5,877	392,338	22 37	DEC 03, 1974	
5,894	392,129	22 38	DEC 03, 1974	
5,910	391,955	22 39	DEC 03, 1974	
5,927	391,792	22 40	DEC 03, 1974	20 G/M ANNULUS
5,944	391,641	22 41	DEC 03, 1974	
5,960	391,537	22 42	DEC 03, 1974	
5,977	391,432	22 43	DEC 03, 1974	
5,994	391,339	22 44	DEC 03, 1974	
6,011	391,258	22 45	DEC 03, 1974	

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6.027	391.247	22 46	DEC 03, 1974	
6.044	391.247	22 47	DEC 03, 1974	
6.061	391.212	22 48	DEC 03, 1974	
6.078	391.188	22 49	DEC 03, 1974	
6.094	391.177	22 50	DEC 03, 1974	
6.111	391.142	22 51	DEC 03, 1974	
6.126	391.130	22 52	DEC 03, 1974	
6.145	391.107	22 53	DEC 03, 1974	
6.161	391.084	22 54	DEC 03, 1974	
6.178	391.096	22 55	DEC 03, 1974	
6.195	391.061	22 56	DEC 03, 1974	
6.212	391.026	22 57	DEC 03, 1974	
6.228	391.014	22 58	DEC 03, 1974	
6.245	391.014	22 59	DEC 03, 1974	
6.262	390.979	23 00	DEC 03, 1974	40 G/M ANNULUS
6.279	390.956	23 01	DEC 03, 1974	
6.295	390.956	23 02	DEC 03, 1974	
6.312	390.945	23 03	DEC 03, 1974	
6.329	390.921	23 04	DEC 03, 1974	
6.346	390.968	23 05	DEC 03, 1974	
6.362	391.061	23 06	DEC 03, 1974	
6.379	391.142	23 07	DEC 03, 1974	
6.396	391.200	23 08	DEC 03, 1974	
6.413	391.247	23 09	DEC 03, 1974	
6.429	391.328	23 10	DEC 03, 1974	
6.446	391.398	23 11	DEC 03, 1974	
6.463	391.444	23 12	DEC 03, 1974	
6.480	391.490	23 13	DEC 03, 1974	
6.496	391.537	23 14	DEC 03, 1974	
6.513	391.595	23 15	DEC 03, 1974	
6.530	391.630	23 16	DEC 03, 1974	
6.546	391.676	23 17	DEC 03, 1974	
6.563	391.700	23 18	DEC 03, 1974	
6.580	391.734	23 19	DEC 03, 1974	
6.597	391.758	23 20	DEC 03, 1974	60 G/M ANNULUS
6.613	391.804	23 21	DEC 03, 1974	
6.630	391.839	23 22	DEC 03, 1974	
6.647	391.874	23 23	DEC 03, 1974	
6.664	391.897	23 24	DEC 03, 1974	
6.680	391.967	23 25	DEC 03, 1974	

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6.697	392.071	23 26	DEC 03, 1974	
6.714	392.187	23 27	DEC 03, 1974	
6.731	392.257	23 28	DEC 03, 1974	
6.747	392.315	23 29	DEC 03, 1974	
6.764	392.420	23 30	DEC 03, 1974	
6.781	392.478	23 31	DEC 03, 1974	
6.798	392.536	23 32	DEC 03, 1974	
6.814	392.606	23 33	DEC 03, 1974	
6.831	392.664	23 34	DEC 03, 1974	
6.848	392.733	23 35	DEC 03, 1974	40 G/M ANNULUS
6.865	392.780	23 36	DEC 03, 1974	
6.881	392.838	23 37	DEC 03, 1974	
6.898	392.896	23 38	DEC 03, 1974	
6.915	392.954	23 39	DEC 03, 1974	
6.932	392.954	23 40	DEC 03, 1974	
6.948	392.966	23 41	DEC 03, 1974	
6.965	392.954	23 42	DEC 03, 1974	
6.982	392.942	23 43	DEC 03, 1974	
6.999	392.942	23 44	DEC 03, 1974	
7.015	392.954	23 45	DEC 03, 1974	
7.032	392.966	23 46	DEC 03, 1974	
7.049	392.942	23 47	DEC 03, 1974	
7.066	392.954	23 48	DEC 03, 1974	
7.082	392.966	23 49	DEC 03, 1974	
7.099	392.977	23 50	DEC 03, 1974	DECLINE
7.116	392.977	23 51	DEC 03, 1974	
7.132	392.969	23 52	DEC 03, 1974	
7.149	392.989	23 53	DEC 03, 1974	
7.166	392.989	23 54	DEC 03, 1974	
7.183	392.884	23 55	DEC 03, 1974	
7.199	392.745	23 56	DEC 03, 1974	
7.216	392.606	23 57	DEC 03, 1974	
7.233	392.489	23 58	DEC 03, 1974	
7.250	392.362	23 59	DEC 03, 1974	
7.266	392.257	00 00	DEC 04, 1974	
7.283	392.164	00 01	DEC 04, 1974	
7.300	391.885	00 02	DEC 04, 1974	
7.317	391.967	00 03	DEC 04, 1974	END FLOW

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